



CENTENARY COLLEGE  
1964-1965



# CORRESPONDENCE

In the list below are the officials to whom inquiries of various types may be sent:

General interests of the college.....	The President
Application for Admission.....	Enrollment Counselor
Catalogs, schedules and transcripts.....	The Registrar
Academic work of students and withdrawals.....	The Dean
Counseling, housing, health, social activities, and general student welfare.....	The Dean of Students The Dean of Women
Evening Division.....	Director of Evening Division
Summer Session .....	Director of Summer Session
Scholarships and Assistantships.....	Chairman, Scholarships Committee

The College Mailing Address is  
Box 4188, Centenary Station  
Shreveport, Louisiana

The College Telephone Number is  
861-2431

BULLETIN OF

# CENTENARY COLLEGE

OF LOUISIANA



ONE HUNDRED FORTIETH YEAR  
SESSION 1964-65  
ANNOUNCEMENTS

## FOREWORD

Admissions officers and registrars find that prospective students and their parents are usually interested in finding the answers to the following questions:

- (1) What is the general nature, type, and standing of the college?
- (2) What are the requirements for admission?
- (3) What is the cost of attending the college and what opportunities are available for earning part of these expenses?
- (4) What subjects of study are provided and what are the requirements for graduation?
- (5) What rules does a student have to follow while attending the college?
- (6) What other activities are provided outside the classroom?
- (7) What physical equipment and financial resources does the college have?

This catalog is an attempt to answer these questions in logical order. The first two questions, which are of concern primarily to prospective students, are answered in Part I. The other questions are covered successively in Parts II-VI, as shown in the Table of Contents on the opposite page. Part VII gives the necessary information with regard to the trustees, officers, and faculty, and lists the names of other staff personnel and of the most recent graduates.

Primarily, this catalog is a record of the 1963-64 session of the college.

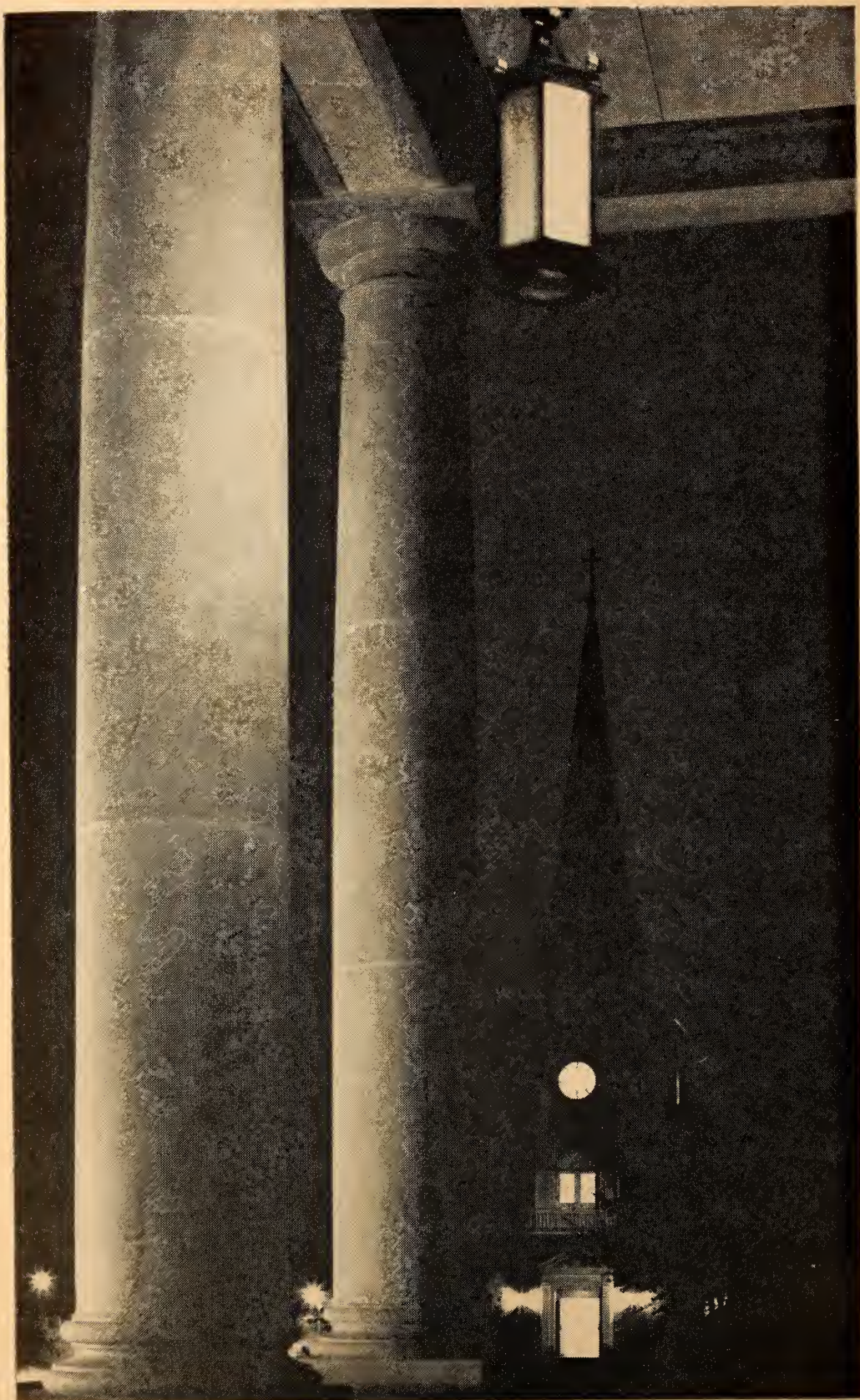


# TABLE OF CONTENTS

Part I.	Information for Prospective Students .....	5
	Summary of Pertinent Information .....	7
	Purpose, Location and Accreditation of the College.....	8
	History of Centenary College .....	9
	Admission to Centenary College .....	10
	Student Services .....	12
	Evening Division .....	13
	Veterans' Education .....	13
	Program for Military Personnel .....	14
Part II.	Financial Information .....	18
	Regulations .....	20
	Board and Room .....	21
	Tuition .....	21
	Applied Music Fees .....	22
	Special Charges .....	23
	Estimate of Expenses .....	24
	Scholarships, Loan Funds, Student Employment.....	24
Part III.	The Curriculum .....	30
	Requirements for Graduation .....	32
	Recommended Course of Study for Freshmen.....	34
	Exceptions .....	34
	Major Fields of Specialization .....	34
	Courses of Instruction .....	35
	Suggested Course Plans .....	87
Part IV.	Administration of the Curriculum .....	122
	Changes of Schedule .....	123
	Absences .....	124
	Credits, Grades, Quality Points .....	124
	Minimum Scholastic Requirements .....	125
	Chapel Attendance .....	126
	Classification .....	126
	Freshman and Sophomore Programs .....	126
	Advanced Standing .....	126
	Academic Load .....	127
	Final Examinations .....	127
	Grade Reports .....	127
	Eligibilities .....	127
	Correspondence Credits .....	128
	Academic Honors .....	128
Part V.	Campus Activities .....	130
Part VI.	Physical and Financial Resources .....	136
	Map .....	137
	Campus and Buildings .....	138
	Financial Resources .....	140
	Willson Lectureship .....	140
Part VII.	Register .....	141
	Board of Trustees .....	143
	Administrative Officers and Staff .....	145
	Faculty .....	147
	Committees .....	156
	Alumni Association .....	157
	Enrollment Statistics .....	157
	Degrees and Honors Conferred, 1963.....	158
Index	.....	160

Official College Calendar  
Application for Admission  
Calendar, July 1964 to July 1966





*Brown Memorial Chapel seen through the entrance to the Library.*



**PART I.**  
**INFORMATION FOR PROSPECTIVE**  
**STUDENTS**





*Moore Student Union Building*



# A SUMMARY OF PERTINENT INFORMATION

## Admission Requirements:

The graduates of accredited secondary schools who present the prescribed units and who have maintained an average of "C" or better in college preparatory classes may qualify for admission. Transfer students from other colleges, mature persons, and veterans may be admitted upon approval of the Director of Admissions. As a requirement for admission the applicant must have taken the Scholastic Aptitude Test of the College Entrance Examination Board. See pp. 10-11 for details.

## College Calendar, 1964-65:

Summer Session .....	June 8 to August 12, 1964
Fall Semester .....	September 11, 1964, to January 31, 1965
Spring Semester .....	February 1 to May 31, 1965
Summer Session .....	June 7 to August 11, 1965

See p. 164.

## Courses of Study:

A B.A. or B.S. Degree may be earned with a major in one of the following subjects:

Art	English	Philosophy
Biology	French	Physical Education
Business	Geology	Physics
Chemistry	Government	Psychology
Economics	History	Religion
Education	Mathematics	Spanish
Engineering Sciences	Music	Speech and Drama

See pp. 35-87 for course descriptions and requirements for major.

A B.M. Degree. For details see pp. 68-76.

Pre-professional courses:

Dentistry	Law
Engineering	Medical Technology
Forestry	Medicine

For details see pp. 113-118.

## Estimate of Expenses:

	Fall Semester	Spring Semester	Summer Session (9 Weeks) (9 Hours)
Tuition (16 hours) .....	\$320.00	\$320.00	\$180.00
Room .....	105.00	105.00	55.00
Board .....	215.00	215.00	90.00

Special fees are charged for the annual, cap and gown rental, diploma, laboratory courses, late registration, music courses, student-teaching, room deposit (refundable). For details see pp. 22-24.

## Loans and Scholarships:

See pp. 24-29.

## Length of College Course:

A regularly enrolled student taking a normal load may complete the requirements for a degree in four years. By attending summer school he can complete the same course in three years.

## Requirements for B.A. and B.S. Degrees:

Earn a total of 124 semester hours of work, 30 in residence, including the core curriculum. For details see pp. 32-33.

### PURPOSE OF THE COLLEGE

As a church-related college, Centenary seeks to provide liberal arts education for students capable of intellectual leadership and for all who can benefit from study in an academic community where excellence is encouraged and individuality is respected. The College purposes to challenge its students to serve society by exemplifying the highest Christian ethic; to provide them with a basic understanding of human affairs and problems; to equip them to think clearly, honestly, and constructively, and to communicate effectively; and to introduce them to the arts and sciences, that they may enjoy the best of the heritage of civilization. By requiring a field of major concentration, the College prepares students for education beyond the baccalaureate degree as well as for immediate participation in an increasingly complex society.

### LOCATION

Centenary College is ideally located as the only private liberal arts college in a population complex of 500,000 people. Shreveport is located on Interstate 20 at the intersection of U. S. Highways 71 and 80, 190 miles east of Dallas. New Orleans and the fabled Evangeline country are within easy driving distance. The Shreveport area is a year-round sportsman's paradise. Four airlines serve the city, with approximately fifty arrivals and departures daily. All these factors, plus the friendly atmosphere, help to account for the continuing growth of the metropolitan center.

### ACCREDITATION

Centenary College is fully accredited by all appropriate standardizing and accrediting agencies, both regional and national, and is recognized by the General Board of Education of the Methodist Church as one of its strongest institutions.

Centenary is approved by the following:

- The Southern Association of Colleges and Secondary Schools
- The American Association of University Women
- The University Senate of the Methodist Church
- The National Association of Schools of Music

Centenary and its professors share current educational thought by membership in the following:

American Academy of Arts and Sciences	Association of Southeastern Biologists
American Anthropological Association	Genetics Society of America
American Association for the Advancement of Sciences	Geological Society of America
American Association of Colleges of Teacher Education	Louisiana Academy of Sciences
American Association of Petroleum Geologists	Louisiana College Conference
American Association of Teachers of German	Louisiana Historical Society
American Association of Teachers of Spanish and Portuguese	Louisiana Library Association
American Chemical Society	Louisiana Teachers Association
American Congress of Surveying and Mapping	Malone Society
American Council on Education	Medieval Academy of America
American Economics Association	Milton Society of America
American Educational Theater Association	Modern Language Association of America
American Historical Association	National Council of Family Life
American Institute of Biological Sciences	National Rehabilitation Association
American Institute of Physics	Renaissance Society of America
American Library Association	Shakespeare Association of America
American Political Science Association	Society of American Foresters
American Psychological Association	South Central Modern Language Association
American Society for Engineering Education	Southern Economics Association
American Sociological Association	Southern Humanities Conference
American Society of Mechanical Engineers	Southwestern Association of Naturalists
	Southwestern Social Science Conference
	Speech Association of America.



## History

Centenary College of Louisiana has a long and worthy history of educational service. Its first component, the oldest college in Louisiana, was founded by the state at Jackson in 1825 and until 1845 was called the College of Louisiana. In 1839, the hundredth anniversary of Methodism, the Mississippi Conference founded a college called Centenary at Clinton, Mississippi. The following year this college moved to Brandon Springs, Mississippi, where it graduated its first class in 1844. In 1845, when the state was about to close the College of Louisiana, friends of Centenary arranged for it to acquire the buildings and grounds at Jackson, where Centenary College became Centenary College of Louisiana, the official name still used.

Before the Civil War, the College became one of the leading institutions of the South, with an enrollment of nearly two hundred and fifty annually. The war interrupted its services from 1861 to 1866. In October, 1861, the faculty met and wrote, across a blank page of minutes, "Students have all gone to war. College suspended and God help the Right." Nearly every member of the senior class and many others of the student body and faculty gave their lives in the struggle.

In the difficult years of reconstruction, the College struggled valiantly and contributed much to the leadership of its territory. For its increasing prosperity and effectiveness, it owed much to Bishop John C. Keener, its friend for some forty years. The bishop drove many a mile in his buggy, soliciting funds to maintain the college he loved.

Although a cultural center for nearly a century, in 1900, Jackson was still a village, by-passed by railroads and lacking other advantages which changing conditions demanded in a college site. Early in the new century, Centenary was invited to move to the growing Shreveport. J. B. Atkins, J. W. Atkins, and their associates offered some land for a campus, and citizens of Shreveport gave a substantial sum for buildings and equipment. In 1908, the College opened its first session in its new location. Its steady growth since in endowment, facilities, and student body attests the wisdom of the move.

The College celebrated its hundredth anniversary in 1925, and soon after graduated its first class of over a hundred. After weathering the depression years with great sacrifice but increased faith in its opportunity on the part of its faculty and staff, Centenary approached its one hundred and twenty-fifth anniversary with such evident success that it attracted notable support from individual donors, from corporations, and from national foundations. It now has a substantial basic endowment, as well as income from "living endowments," from the churches of the Louisiana Conference, and from specially designated scholarship funds.

## **ADMISSIONS**

### **Requirements**

Prospective students who qualify for admission under one of the following classifications will be admitted if their recommendations are satisfactory and their applications are received before registration:

1. The graduates of accredited secondary schools who present fifteen units, including the following prescribed ones: English, 3 units; history and other social science, 2 units; college preparatory mathematics, 2 units (See recommendation of the Department of Mathematics, p. 66). The high school course should be planned so that the eight elective units will include two of foreign language, one in a natural science, and an additional unit in English. If less than two units of a foreign language are presented, not less than two years of a foreign language at college level will be required for the B.A. or B.S. Degree (except for B.S. Degree candidates in Business, Education, Engineering Sciences, and Physical Education). Applicants must have maintained an average of "C" or better in those high school courses which are considered as college preparatory.

Applicants for admission to the freshman class are required to submit scores of the Scholastic Aptitude Test of the College Entrance Examination Board. Information about the test may be secured from your high school principal or from College Entrance Examination Board, Box 592, Princeton, New Jersey, 08540, or Box 1025, Berkeley, California.

Applicants for admission will be required as a part of orientation and/or registration to sign a statement showing that they have read and will abide by the Honor System that is in effect at Centenary College.

2. Students transferring from accredited colleges with a quality point average of C in the work taken at such colleges.

3. Mature persons (twenty-one years old or over), veterans of World War II, and veterans of the Korean War who have not graduated from high school but who show evidence of being able to profit from college work. Such students will be admitted only after conference with and approval by the Director of Admissions. These students must pass the high school level General Educational Development tests prepared by the American Council on Education.

### **Application for Admission**

In applying for admission a prospective student should follow the steps described below:

1. Complete application for admission form found in the back of the catalog.



2. Return the form properly filled out to the Enrollment Counselor. A fee of \$10 must accompany all applications for admission. This fee will not be refundable and cannot be applied toward tuition charges.

3. Ask the high school principal to send a complete transcript including all grades received to the Enrollment Counselor and if the high school level General Educational Development tests have been taken, the results should be sent to the Enrollment Counselor.

4. If the applicant has attended a college or colleges, he should request a complete transcript of college credits to be sent to the Enrollment Counselor.

5. If the student is in college at the time of application, he should have a transcript sent showing his credits up to the time of application. If he is accepted, a supplementary transcript will be required showing the completion of his work.

### **Registration**

Registration is held three times each year, on the first days of the fall semester, the spring semester, and the summer session. Students who have been accepted for admission may begin their work on any of these dates.

### **Student Housing**

All student housing is under the jurisdiction of the Dean of Students. Unmarried students not living in the homes of relatives are required to live in the college dormitory.

Regulations governing dormitories are published in residence hall handbooks. Students living in dormitories must furnish their own bed linen, covers, and pillow, and their towels, curtains and rugs.

Students living in women's dormitories are not permitted to leave the city unless they have a parent's permission form filed in the office of the Dean of Women.

Dormitories are closed whenever the college is not officially in session.

All students living in dormitories are required to eat at the College Cafeteria.

A \$50 room deposit is required to reserve a room in any dormitory. The deposit is refundable only if the application for refund is received on or before the first of the month preceding the month of registration. Prospective students should make their room deposit as early as possible, as room assignments are made in the order in which they are received.

All requests for information about any type of student housing and all housing reservations should be directed to the Dean of Students.

## **STUDENT SERVICES**

### **Counseling Service**

The college provides personnel and facilities for vocational, academic, personal, social, and religious guidance for all students who care to make use of them.

New students are required to attend an orientation program at the beginning of each fall semester. At this time information about the student, including personal information, high school grades, interest test results, English proficiency, and intelligence scores are gathered and assembled in one folder, which is given to the student's faculty counselor. A conference is scheduled between the student and the counselor, at which the counselor helps the student plan his schedule of study. During the freshman and sophomore years, the advisor will emphasize completion of basic college requirements.

Periodic checks are made on each student's progress. Students are urged to confer with their counselors several times each semester. Counselors are available for appointments during the day and will encourage students to meet with them.

### **Health Service**

All regular students, campus residents and out-of-city students living off campus are required to have completed a physical examination prior to first enrollment.

The services of a registered nurse are provided; she may be consulted in her office from 8 to 12 and from 1 to 4, Mondays through Fridays. Emergencies only will be treated at other hours.

Conferences about health, minor treatments, calls on bed patients in dormitories, and follow-up checks on health deficiencies discovered by the physical examinations are included in the work of the college nurse. But major surgery, illness requiring hospitalization, contagious diseases which by law require isolation, and cases requiring the services of a specialist are not included in this health service and must be at the student's expense. Infirmarys, however, are maintained in James Dormitory, Hardin Hall and Rotary Hall, and professional care is provided. Routine treatments, such as allergy inoculations, may be continued at the Student Health Service upon recommendation of the attending physician.

### **Student Accident Insurance**

All full-time students (those taking for credit twelve or more semester hours) are insured against accident at no additional cost to the student. This insurance is in effect twenty-four hours a day for the nine-month school year. Thus the coverage includes such interim vacations as Christmas and Easter.



For complete details concerning coverage, benefits, handling of claims, etc., the student should consult the booklet furnished by the insurance company and available at the Business Office.

### **THE EVENING DIVISION**

The Evening Division offers its program for three types of students:

1. Those seeking a college degree.
2. Those desiring to improve their competency in their present occupations or wishing to prepare for new vocations with no desire to complete degree requirements.
3. Those seeking cultural development for satisfying personal living and responsible citizenship.

The program of the Evening Division is based on the principle that education is a continuing process and that, in the increasing complexities of the life of these times, the college's resources should be available for such continuing adult education.

As the program of the division is determined by community needs and interests, new or special courses may be organized in response to requests from business, industrial, educational, and other groups.

The division offers a full program in accounting.

Adults and students who are not on suspension at any college may enroll as auditors. Auditors are entitled to participate in the work of the class to the extent that they desire to do so, except that instructors are not required to give grades to auditors and therefore no grades are recorded in the Registrar's office. Tuition is the same whether a course be taken for credit or audited.

Auditors must indicate on their registration forms that credit is not desired by writing Audit in the "Credit" column on white enrollment cards and on class cards.

A student expecting to take courses for credit toward a degree should consult the Director of the Evening Division or the head of the department in which he will major. Such interviews should be scheduled in advance by telephoning or writing to the Director prior to the regular registration period. A student enrolling for the first time should be prepared to furnish official transcripts of high school and college work.

### **VETERANS' EDUCATION**

Centenary College is approved for veterans' training by the Veterans' Administration. Veterans may take work in both the day and the evening divisions. Those enrolling for the first time under Public Law 550 should present a Certificate of Education and Training

(VA Form 7-1993) to the college at the time of registration, to establish their time entitlement and objective. Korean veterans who are continuing their training should fill out two copies of VA Form 7-1999 at registration. Those taking less than seven hours will receive only the amount of tuition divided into five monthly payments.

Under Public Law 550, a student may suspend training for a period or periods of not more than twelve consecutive months.

Since subsistence and tuition allowance will be mailed directly to the student by the Veterans' Administration, he will be held responsible for his account. Fifty-two dollars or one-half of the total tuition (whichever is the larger amount) is payable at the time of registration. The balance is due within thirty days. For this method of payment there is an installment charge of five dollars.

A psychometric testing center at the college is authorized to give General Education Development tests to veterans who have not finished high school. These tests, if passed successfully, qualify the veteran for admission to the college. In most states, the passing of these tests and the completion of eight units of high school work qualifies a veteran for a high school certificate. It is recommended that this certificate be secured. Application for it should be made by letter to the high school last attended.

### **PROGRAM FOR MILITARY PERSONNEL**

Centenary College co-operates with the Education Officer at Barksdale Air Force Base and Bossier Base in providing college courses for military personnel. Students register through the Director of the Evening Division; however, students may register for courses that meet during the day. Class attendance regulations are waived in case of emergency military duty, but all other requirements — papers, tests, and examinations — must be met. These courses may be applied on a regular degree program or may be transferred to some other college. Candidates who are eligible for Bootstrap are encouraged to complete their degrees at Centenary.

Centenary College recognizes the educational achievements of military personnel through opportunities provided by military service, but cannot evaluate for other colleges, transfer to them, nor accept from other colleges, credit hours for such educational experiences. According to the American Council on Education, each college must work out its own program of allowing for educational experiences in military service.

Current military personnel who present 44 semester hours in Military Service Education, according to the recommendation of the Commission on Accreditation of Service Experiences, or 44 semester hours of basic college courses (or a combination of these) may earn a Centenary degree by completing in college the 80 semester hours, 30 in residence, outlined below. These 44 hours, or whatever portion



of them is submitted, apply only toward work on the freshman and sophomore level. The general regulations of the college concerning entrance, averages, the English Proficiency Test, etc., must be observed.

Candidates for a degree will complete all of the following courses in college:

English 242 (3 hours) and any course, 300-400 level .....	6	This requirement may be met with English 201-2 or 203-4, provided 6 semester hours of 300-400 courses (in any field) are completed in addition to the 80 semester hours required in this program.
Mathematics 106, 201 .....	6	This requirement may be met with Mathematics 101 and 105, provided 6 semester hours of 300-400 courses (in any field) are completed in addition to the 80 semester hours required in this program.
Foreign Language 200 or above ...	6	The candidate may find it necessary to take Foreign Language 101-2 in preparation for 201-2. In this case, he must add 8 semester hours to the 80 semester hours required in this program.
Natural Science (Biology, Chemistry, Geology or Physics) 200 or above .....	8	A first-year science course may be substituted for this requirement, provided 8 semester hours of 300-400 courses (in any field) are completed in addition to the 80 semester hours required in this program.
Religion 101-2 .....	6	Members of churches which forbid the study of religion at a Protestant institution may meet this requirement by taking 6 hours from Philosophy 301-2, English 313.
Economics 201-2 .....	6	
History 300 or above .....	6	
Philosophy 201 .....	3	
General Education 402 .....	3	
	50	

Each candidate will major in one of the following areas:

BUSINESS

Business 103-4 .....	6
Business 323-4 .....	6
Business 300-400 level .....	12
Business to be elected .....	6

ENGLISH

English 200 level .....	6
English 300 level .....	6
English 400 level .....	3
English 407 .....	3
General Education 197 or 198 .....	3
Related courses 300-400 level .....	9

HISTORY

History 200 level .....	6
History 300 level .....	12
Government 201-2 .....	6
Related courses .....	6

MATHEMATICS

Mathematics 202 .....	3
Mathematics 300-400 .....	18
Related courses 300-400 level .....	9

FOREIGN LANGUAGE

Foreign Language 300-400 .....	18
Second Foreign Language .....	14

**How to Enroll**

Military personnel who wish to enroll for college courses at Centenary should consult their Education Officer to arrange for the tuition subsidy.

Candidates for a degree should select their courses from those outlined for this program. Persons who enroll in the regular degree program should select courses as outlined in the core curriculum. Persons who take courses for enrichment, or for transfer to other colleges, may choose from the courses offered in the curriculum at Centenary. Lists of course offerings may be secured from the Education Officer or from the Director of the Evening Division at Centenary.

**How to Apply for a Degree Program**

Military personnel who wish to apply for a degree program should submit all of their educational qualifications through their Education Officer. The following will usually be needed:

1. Form DD295, Request for Evaluation of Service Experience. This form should be properly signed by a certifying officer and the successful completion of each course indicated. Accompanying this should be course identification information sheets for each course, listing the page in the ACE Guide where the course may be located.
2. Official transcripts bearing the college seal from each college previously attended. Credits transferred must average C or better.
3. Official transcripts of courses through USAFI. These must come from Madison, Wisconsin.
4. If the high school record does not appear on the college transcript, a high school transcript or scores of GED tests, high school level, are needed.

Military personnel who are nearing eligibility for Bootstrap attendance will be assisted by the Registrar of Centenary in outlining a degree plan. When such personnel have reached the point that they can complete the degree within the allowable time under military regulations, the Registrar will issue the proper certification so that they may apply for TDY through military channels.

**Residence Requirements**

Military personnel on active duty who are attending Centenary on the Bootstrap Program may complete degree requirements with 30 hours of residence work, provided all other degree requirements have been



fulfilled. Regular semesters begin twice a year: September and February. A nine-week summer session extends from mid-June to mid-August. A Bootstrapper can normally complete the 30 hours in one semester and a summer.



*Biology Class*

PART II.  
FINANCIAL INFORMATION





*Centenary College Library Entrance*



The tuition and fees paid by the student furnish less than one-half of the educational cost at Centenary. The balance of the cost is furnished by other sources such as endowment and gifts and contributions by the church, foundations, and other friends of the college.

### FINANCIAL REGULATIONS

Matriculation in the college is an implied contract accepting all regulations of the college, including those governing payment and refunds.

#### Methods of Paying

1. Pay the entire account on registration.
2. Pay  $\frac{1}{3}$  of the charge on registration and the balance in two equal installments, one due in 30 days and the balance in 60 days. (For this method of payment there is an installment charge of \$5.00.)
3. For the summer session, pay the entire account on registration or with a \$3.00 carrying charge pay  $\frac{1}{2}$  on registration and the balance in 30 days.
4. The Tuition Plan (details available from the Business Office).

Note: If a student's account has not been paid within 90 days after the beginning of the fall and spring semesters or within 45 days after the beginning of the summer session, he will be asked to withdraw from school.

#### Importance of Financial Arrangements

The student account becomes a permanent part of the student's record at Centenary. Prospective employers often examine these records to see how a student has met his financial obligation.

#### Refunds

Tuition, fees, room and board are charged by the semester.

If a student withdraws during the first four weeks after registration, there will be a 50% refund of tuition and fees. Board for that part of the semester which has not been used will also be refunded. Room rent cannot be refunded.

If a student matriculates, but receives permission from the Dean of the College to withdraw prior to the first class meeting, all tuition will be refunded except a matriculation fee of \$10.00.

**IMPORTANT NOTICE:** There is no refund for courses dropped while continuing in other courses.

The official date of withdrawal will be the date the student receives



approval from the Dean of the College. All refunds will be based on that date, regardless of the date of last attendance. Failure to attend classes does not constitute a withdrawal.

### **Late Enrollments**

The final date for enrollment for full credit is determined by the Dean of the College and is printed in the official calendar. Students who for good reason seek to enroll after these dates must obtain the approval of the Dean of the College and will be charged full tuition.

### **BOARD AND ROOM**

The cafeteria on the campus provides meals at reasonable rates. All dormitory students are required to take their meals at the college cafeteria and are charged for board by the semester. This practice allows the lowest possible charge per student. However, because of uncertain conditions, the price of board is subject to change without notice. See p. 24 for estimated price of board.

Dormitory room rent is charged by the semester. Rates, effective June 1, 1963, are given in the table below:

	Fall & Spring Semesters	Summer Session
Rotary Hall (Men)	\$ 75.00	
Cline Dormitory (Men)	105.00	\$55.00
James Memorial Dormitory (Women)	105.00	55.00
Hardin Memorial Dormitory (Women)	105.00	55.00
Sexton Memorial Dormitory (Women)	105.00	55.00

By special arrangement with the Business Office, the charges for both room and board may be paid in installments. Since dormitory space is reserved by the student for the full semester or summer session, no part of the room rent can be refunded when a student withdraws.

### **TUITION**

Tuition is charged at \$20.00 per semester hour. The charge for tuition includes all charges for classroom instruction, laboratory fees, registration and recording fees, library fees, student activity fees, athletic fees, infirmary fees, student insurance, lyceum fee, and a subscription to the college newspaper.

Tuition for audit or non-credit courses is the same as for courses taken for credit. All students pursuing courses or subjects without credit are required to perform all the work prescribed for students enrolled for credit, except taking the credit examinations, unless specifically exempted in writing by the Dean of the College.

Tuition charges per semester for all students except music students are as follows:

Semester Hours	Fall or Spring Semester Cost	Summer Session Cost—9 weeks
1	\$ 60.00	\$ 60.00
2	60.00	60.00
3	60.00	60.00
4	80.00	80.00
5	100.00	100.00
6	120.00	120.00
7	140.00	140.00
8	160.00	160.00
9	180.00	180.00
10	200.00	
11	220.00	
12	240.00	
13	260.00	
14	280.00	
15	300.00	
16	320.00	
17	340.00	
18	360.00	
19	380.00	
20	400.00	

No out-of-state fee is charged.

See also table of "Special Charges" which are payable only by those to whom they apply.

### APPLIED MUSIC FEES

One half-hour lesson per week in piano, voice, organ, or any other orchestra instrument, together with six hours of practice (average 1 hour per day) represents one semester hour of credit in applied music. Two half-hour lessons per week, together with 12 hours practice (average 2 hours per day) represent three semester hours of credit.

Rates are the same to all students whether veteran or non-veteran. Audit and non-credit courses in applied music are charged at the same rate. In the event a student withdraws through the Office of the Dean and the Business Office prior to completion of the course or semester, charges will be prorated in accordance with the period of actual attendance.

### Rates Per Semester

In addition to the semester hour charges for academic subjects, there will be a charge of \$45.00 for one semester hour or \$90.00 for three semester hours for students enrolled in applied music courses.



Private instruction in the theory of music courses listed herein is available. Regular classroom instruction in theory is furnished at the regular tuition rates established for other courses.

Pianos and other college-owned instruments may be rented by students for practice at the following rates:

1 hour per day	\$4.50 per semester
2 hours per day	\$9.00 per semester

Practice rooms, pianos, and other instruments are available at the Music Hall. Students are required to practice in these rooms under the direction of the practice supervisor unless arrangements satisfactory to the supervisor can be made for practice at the home of the student.

Practice requirements per course:

1 semester hour	1 hour per day
3 semester hours	2 hours per day

### SPECIAL CHARGES

1. A fee of \$10 must accompany all applications for admission. This fee will not be refundable and cannot be applied toward tuition charges.

2. Students who are student-teaching are charged \$50 to help defray the cost of supervisors from the public school system.

3. Graduating students are charged \$10 for diplomas and \$5 for cap and gown rental for commencement, of which \$1 is refundable.

4. Each student is entitled to one free copy of his official transcript showing courses taken, credits earned, etc. Extra copies may be obtained by payment of \$1 for each additional transcript.

5. Students taking chemistry laboratory courses must pay for actual breakage in excess of \$3 per semester.

6. A room deposit of \$50 is required to reserve a dormitory accommodation for any semester or term. The deposit is refundable *only* if application for refund is received on or before the first of the month preceding the month of registration. Deposits will be held for students enrolling to cover any room damage that may be incurred while student occupies room. Deposit will be refunded when student withdraws from school should no damage occur.

7. Students taking 12 or more hours in the fall will be charged \$10.00 for the college annual. Other students interested in a college annual may purchase it at \$10.00.

8. All students taking courses in typewriting (Business 165, 166, 265-266) are required to pay a minimum of three hours' tuition charge for each such course.

9. Any student who does not complete registration before the first day of classwork for the semester will be charged a late registration fee of \$5. Any student requesting a change of course after classwork has begun will be charged a change of registration fee of \$1 for each course changed.

10. All college graduates who wish to become certified teachers and who wish the services of counseling and evaluation for their plans and programs must pay a fee of \$15 for this service. Payment of this fee also entitles the student to be listed with the Centenary Teacher Placement Bureau.

### ESTIMATE OF EXPENSES

	Fall Semester	Spring Semester	Summer Session (9 weeks) (9 hours)
Tuition (16 hours) .....	\$320.00	\$320.00	\$180.00
Room .....	105.00	105.00	55.00
Board .....	215.00	215.00	90.00

### SCHOLARSHIPS, LOAN FUNDS, AND STUDENT EMPLOYMENT

Scholarships are usually awarded on consideration of the applicant's scholastic record in the past, his present promise as a student, his character, and his financial need. All scholarships are credited toward the payment of the holder's tuition and fees. No student may hold more than one scholarship at a time. To obtain and hold a scholarship, one must have and maintain a "B" average. Applicants for scholarships should address the Chairman of the Scholarships Committee.

**Centenary College Grants.** A small number of tuition grants are given by the college to deserving students who need financial aid and who have talent in debate, dramatics, band, choir, student publications, student leadership, or who have other interests of particular importance to the college. The student must maintain a scholastic average of "C" or better.

**Ministerial Scholarships.** Tuition concessions are granted to pre-theological students and to dependent children of ministers of all denominations. Application must be made to the Chairman of the Scholarships Committee. Wives and children of ministerial students are eligible for ministerial scholarships as ministers' dependents, provided they are full-time students.

#### Endowed Scholarships

*The Callie Ann Cogdell Avery Scholarship.* Scholarship shall be awarded to an outstanding Methodist ministerial student in need of financial assistance.

*The Mary Susan Bailey Scholarship.* For worthy students in need of financial assistance.



- The M. L. Bath-Rotary International Scholarship.* Offered annually to a worthy foreign student who desires to study in this country.
- The James Alexander Bell Memorial Scholarship.* For assistance to a needy student.
- The Martha Cappel Memorial Scholarship.* For outstanding students in financial need.
- The T. C. and L. C. Clanton Memorial Scholarship.* For a ministerial student of high scholastic standing in need of financial assistance.
- The Dennis E. and Rosa M. Crouch Memorial Scholarship.* For a needy student.
- The J. A. Davis Scholarship.* For a worthy student of high scholastic standing.
- The James Hill Fullilove Memorial Scholarship.* For ministerial students.
- The Randy Greve Memorial Scholarship.* For students of high scholastic standing in need of financial assistance.
- The David Philip Hamilton Scholarship Fund.* For worthy students in need of financial assistance.
- The Dean John A. Hardin Memorial Scholarship.* Awarded to a student of high scholastic standing.
- The Harman Memorial Scholarship.* For students of high scholastic standing and in financial need.
- The Mamie B. Hicks Scholarship.* For piano students of North Louisiana.
- The Amanda Howell Memorial Scholarship.* For needy students of high scholastic standing.
- The Gus Johnston Hoyer Memorial Scholarship.* For pre-medical students.
- The Charles Moore Hutchinson Memorial Scholarship.* For needy students.
- The Philip Lieber-First Federal Savings and Loan Association Scholarship.* For students majoring in business.
- The James W. Lincoln Memorial Scholarship.* For a male student of high scholastic standing in need of financial assistance.
- The May Meadows Ministerial Scholarship.* For worthy ministerial students of high scholastic standing, first consideration being given to students from the Ruston District.
- The Melanie Jean Perot Memorial Scholarship.* For a woman student who is working part of her way through Centenary.
- The Dr. N. B. Riddle Memorial Scholarship.* For needy students.
- The Ringgold Memorial Scholarship.* For Louisiana students training to become teachers.

*The Peggy Rountree Memorial Scholarship.* For an outstanding student in financial need.

*The J. C. Sensintaffar Memorial Scholarship Fund.* Established in memory of the Rev. J. C. Sensintaffar. To be awarded to students entering full-time Christian service in the Methodist church.

*The Selber Brothers Scholarship.* Preference shall be given to a student of high scholastic standing studying toward a B.S. Degree in Business.

*The John O. Thompson Scholarship.* For a dedicated Christian student in financial need.

*The Universal Oil Products Scholarship.* For students majoring in chemistry.

*The E. Bernard Weiss Scholarship.* For pre-medical students.

### **Annual Gift Awards**

*The Grace Mims Allums Scholarship.* Given by the Southern Literary Club for a worthy freshman student of high scholastic standing.

*The Altrusa Club Scholarship.* For a girl of outstanding ability in need of financial aid. She must be a resident of Louisiana.

*American Legion-Centenary College Scholarship.* To be awarded to the current Miss Shreveport for one year.

*Thad Andress Memorial.* To be used in the Science Department.

*Douglas Attaway Scholarship.* Established in 1957 by the Shreveport Kiwanis Club. For a worthy student of acceptable scholastic standing in need of financial assistance.

*The Don Brown Memorial Scholarship.* For students of ability, majoring in art and in need of financial assistance.

*The Centenary Women's Club Scholarship.* Two scholarships given annually by the Centenary Women's Club for a dramatics student and one in need of financial assistance.

*The Oscar Cloyd Scholarship.* For a student majoring in Religious Education who is in financial need.

*The Coca-Cola Bottling Company Scholarship.* For students in need of financial assistance.

*The Janie Cunningham Memorial Scholarship.* For students in full-time Christian service and in financial need.

*The Dyer Memorial Scholarship.* For needy students, preferably ministerial students.

*The Elks Club Scholarship.* Given to help some one person of the Club's decision.

*The John B. Entrikin Scholarship.* For chemistry majors.



- The Fidelis Class* (Broadmoor Methodist Church). For assistance to needy and worthy students.
- The Fifty-Fifty Scholarship*. To go to some worthy student intending to go into the full-time Christian ministry, or student in need in music department. (Given by the Fifty-Fifty Class in Baton Rouge, Louisiana.)
- The First National Bank Scholarship*. For business majors.
- The Katherine J. French Memorial Scholarship*. For a girl of outstanding ability, majoring in English and preferably intending to teach.
- The Gleaners' Class Scholarship of First Methodist Church, Shreveport*. For assistance to pre-theological students.
- The Reginald H. Hargrove Memorial Scholarship*. To be granted to a student with high scholastic standing in financial need.
- The J. H. Hearne Ministerial Scholarship*. For Methodist ministerial students.
- The Honor Scholarships*. Given by the college to National Merit Finalists and other students with high scholastic standing.
- The Mrs. Ed. E. Hurley Scholarship and Loan Fund*. For worthy and needy students of high scholastic standing.
- The G. W. James Scholarship*. Given by Mr. and Mrs. G. W. James of T. L. James & Co., of Ruston, Louisiana, for a needy student.
- The Jesse H. and Mary Gibbs Jones Scholarship*. For students of outstanding ability.
- The Joseph Homer and Julia Bourquin Jordan Scholarship*. For needy students of high scholastic standing.
- The James R. Keller Memorial*. Given to a worthy student who is Protestant and a Shreveport resident. Must maintain a "C" average.
- The Lonnie B. Kilpatrick Memorial Scholarship*. For assistance to worthy students, first consideration being given to members of the families of employees.
- The Broadmoor Kiwanis Club Scholarship*. For needy students.
- The Mid-City Kiwanis Club Scholarship*. For needy students.
- The Glenn Laskey Scholarship*. Given to any student of character and promise with a 2.5 average or over.
- Laymen's Scholarship*. Awarded by Methodist laymen to a girl of high scholastic standing majoring in Christian Education.
- Munholland Friendship Scholarship*. For a worthy and needy student of high scholastic standing. First preference shall be given to New Orleans students.
- National Methodist Scholarships*. Given through the Board of Education of the Methodist Church.

- The National Secretaries Association.* For a freshman girl in the field of secretarial science.
- The Newspaper Production Scholarship.* For students of journalism.
- The W. G. Phelps Scholarship.* Given by the Broadmoor Men's Class for a worthy and needy student of high scholastic standing.
- The Presser Foundation Scholarship.* For an outstanding student who expects to become a teacher of music.
- The Rotary Club—Downtown Shreveport.* For students of local high schools who need financial assistance.
- The Saint Paul's Episcopal Church Scholarship.* For students belonging to the Episcopal Church.
- The Science Education Council Scholarship.* For graduates of Byrd and Fair Park High Schools, with high scholastic standing who are in financial need.
- The Science Fair Scholarships.* To the winners of Science Fair held annually.
- The Myrtle Mills Shadow Memorial Scholarship.* For a worthy student in need of assistance.
- The Shreveport Symphony-Centenary College Scholarships.* For talented players of orchestra instruments.

### **Loan Funds**

The following may also be of financial assistance to students in financial need:

- The Batchelor Memorial Fund.* For use of ministerial students.
- Drake-Scales Loan Fund.* This is a loan fund established for the purpose of assistance to a student in need, with the established fact that it is only a loan and should be repaid.
- The Chris Fullilove Loan Fund.* For use of needy students.
- The Methodist Student Loan Fund.* Made available to worthy students by the Methodist Board of Education, Nashville, Tennessee.
- The Anna Ruth Nuttall Small Loan Fund.* A fund established by the family and friends of the late Dr. Anna Ruth Nuttall, assistant professor of Bible and English at the college from 1945 until her death in 1952. Students needing to borrow small sums from this fund should apply to the Dean of Students or the Dean of Women. Ordinarily, the amount loaned will be from \$25.00 to \$50.00, though there are special provisions



permitting college authorities to lend larger sums from the fund.

### **Student Employment**

Many students pay part of their college expenses by working in the library, offices, and laboratories, or by securing part-time employment in Shreveport. A student will rarely be able to earn all of his expenses while attending college. Those who carry heavy outside work to meet their expenses should carry a proportionately reduced academic load.

The College assists students to secure part-time employment through its Placement Office. This office will also assist graduates and former students to find employment which best uses their training and abilities.



*Interior of the Library*

PART III.  
THE CURRICULUM





*Language Laboratory*



## REQUIREMENTS FOR GRADUATION

### Degree Requirements

To qualify for the B.A. or B.S. Degree a student must:

1. Present no less than 124 semester credit hours of work with an average of two quality points per semester credit hour. Of these credit hours, 120 must be in subjects other than physical education activities, and the work of the senior year (totaling not less than thirty semester hours) must be taken in residence, except as hereinafter specified. If courses are repeated, both sets of quality points will be included in the average.

2. Present in addition to the 124 hours named above, an additional hour in General Education 121 for each semester in which he is enrolled as a full-time student. (This regulation applies to all students no matter under which year's catalog they first matriculate.)

3. Meet the basic requirements for the degree desired.

4. Meet the requirements for a departmental or a divisional major.

5. Maintain a quality point average of 2.00 or higher in courses taken in the department or division of the major and of 2.00 in all other work. Averages are figured on a four-point system.

6. File a degree plan in the Registrar's Office before the last semester of the senior year.

7. Be present at the commencement exercises to receive the degree conferred.

8. Discharge all financial obligations to the college.

A candidate for graduation must graduate under the requirements of the catalog of the year he enrolled, or of some later catalog. A graduate must meet the requirements of a catalog dated within five years of his graduation.

To qualify for a second baccalaureate degree, a student must present at least thirty additional semester credit hours of work and must meet all requirements for a new major. At least twenty-four of these thirty hours must be taken in residence. The candidate must meet the requirements of the catalog of the year he enrolled for the second degree, or of some later catalog. No student is eligible for more than two undergraduate degrees at Centenary.

Requirements for the B.M. degree are found on pp. 70-74.

### Proficiency in English

To graduate, a student must be judged proficient in English composition. All juniors must take and pass an examination consisting of a short theme on one of a choice of subjects assigned by the examiner. A student who fails in this test must either repeat English 101, do a



series of supervised assignments in expository writing, or take English 242. The Head of the English Department or his representative will decide which of these three the student shall do, depending upon the kind of weakness shown on the test. The student must also take the Proficiency Test again and pass it.

### Foreign Language Requirements

Candidates for the B.S. Degree in Business, Education, Engineering Sciences, and Physical Education can satisfy the requirements with one year of college-level foreign language. All other candidates for B.A. and B.S. Degrees will be required to complete the second year, that is, courses numbered 201-202, of a foreign language; when two years of a foreign language have been taken in high school, this requirement can be met without taking the first year of college work. A student who presents two units of a high school language may not earn college credit in the 101-102 courses of that language.

### Courses Required of All Students (Core Curriculum)

Prescribed work, totaling 60 semester hours of work, are required from all candidates for a B.A. or B.S. degree, except as noted below:

English 101-102, 201-202 <sup>1</sup>	12 hrs.
Religion 101-102 <sup>2</sup>	6 hrs.
Natural Science & Math (not less than 8 hrs. must be in a laboratory science)	14 hrs.
Physical Education (4 semesters)	4 hrs.
Social Science	12 hrs.
Foreign Language (201-202 or higher) <sup>3</sup>	6 hrs.
Speech 200	3 hrs.
Great Issues (General Education 402)	3 hrs.
	<hr/> 60 hrs.

<sup>1</sup>Candidates for the B.S. Degree may substitute English 203-204 for 201-202.

<sup>2</sup>Members of churches which specifically forbid the study of religion at a Protestant institution may be allowed to meet the requirements by taking six hours of work chosen from Philosophy 301 or 302, or English 313.

<sup>3</sup>Candidates for the B.S. Degree in Business, Elementary Education, Engineering Sciences, Physical Education, or Secondary Education may meet the language requirement by taking a minimum of one year of college-level foreign language.

### Graduate Record Examination

All seniors are required to take the Graduate Record Examination. Any student who fails to take the examination at the scheduled time will be required to supply the college with a report of his scores on the examination, at his own expense.

## RECOMMENDED COURSE OF STUDY FOR FRESHMEN

### Recommended Course of Study for Freshmen

During the freshman year a student does not have to specialize. All of the subjects normally taken are courses which will be needed no matter what major is elected.

Therefore, it is not necessary to have decided on a major when beginning college work. Even where a major has been decided upon, the faculty counselor will allow or recommend certain variations.

Although exceptions will be allowed, some of which are listed below, the general recommended course for freshmen is:

English 101 and 102	6 hrs.
French, German, Spanish or Latin	8 hrs.
Mathematics	6 hrs.
Chemistry, Biology, or Geology	8 hrs.
Physical Education	2 hrs.
	<hr/>
	30 hrs.

### Exceptions

1. When a student arrives at Centenary, he is given placement tests. With these test scores and with his high school record, a faculty member will confer with him before registration. If it appears that the general recommended course is not advisable in a particular case, he will suggest that the student postpone one of those courses until later, and take instead a course in history, speech, or whatever may best suit his interest and preparation.

2. For certain areas of interest, it is important to take specified courses in the proper order. For the following areas, the advisor will probably stay very close to the courses recommended on the pages noted.

	Page
Dentistry (preliminary) .....	117
Engineering (preliminary) .....	113
Forestry (preliminary) .....	114
Law (preliminary) .....	116
Medical Technology .....	116
Medicine (preliminary) .....	117
Music .....	70
Teacher Education .....	104

3. Every effort is made to keep the schedules flexible in a way that will make work most interesting and profitable. The faculty advisor, just before registration, will help in this matter.

## MAJOR FIELDS OF SPECIALIZATION

A student who plans to become a candidate for a degree must by the beginning of his junior year select a field of specialization, commonly called a major. It may be selected in either a department or in a division. The selection must be approved by the head of the depart-



ment or the division concerned, who will then appoint a faculty advisor appropriate to the choice.

A departmental major consists of courses within one department totaling from twenty-four to forty semester credit hours plus courses in one or more related subjects selected in conference with the head of the major department, and totaling from twelve to thirty semester credit hours.

A divisional major consists of courses within one division totaling some seventy semester credit hours and including such subjects and courses as are prescribed below under the divisional statements. The divisional major is designed for students who wish a broad background in a general area of knowledge rather than specialized training in a single subject. Students who plan to take graduate study in schools of business, education, engineering, law, medicine or theology may find the divisional major suited to their needs. It is also recommended for those whose future plans do not require intensive study in a single limited area of knowledge.

Majors are offered in the three divisions and in the Departments of Art, Biology, Business, Chemistry, Economics, Education, English, Foreign Languages, Geology, History and Government, Mathematics, Philosophy, Physical Education, Psychology, Physics and Engineering Sciences, Religion, Speech and Drama, and the School of Music.

## COURSES OF INSTRUCTION

On the pages that follow, the courses which a student may take are listed. Not all courses are offered every semester. Before the date of registration, a schedule of classes is published which lists each course to be offered that session, together with its hour, days, and place of meeting.

Courses numbered from 100 to 199 inclusive are ordinarily taken in the freshman year; those numbered 200 to 299, in the sophomore year; those numbered from 300 to 399, in the junior or senior year; and those from 400 to 499, in the senior year. A few courses with numbers beginning with zero carry no college credit.

Courses that are normally offered in the fall semester bear odd numbers; those normally offered in the spring semester, even numbers.

Courses that bear a single number continue for one semester only; courses that bear a double number continue through two semesters (one year).

Year courses organized so that the student may enroll in and receive credit for either half without the other bear double numbers separated by a comma—for example, "English 309, 310." Year courses requiring the first half as prerequisite for the second bear double numbers separated by a hyphen, for example, "Chemistry 101-102." Year courses so closely integrated that both halves must be completed before credit is received in either bear double numbers separated by hyphens and enclosed in parentheses, for example, "Spanish (101-102)."

Certain courses carry three figures relating to hours, for example in Biology, "306. Microbiology. 3-3-4." The first figure designates the number of lecture hours a week; the second, the number of laboratory hours a week; the third, the number of semester hours credit granted for the course.

The number of semester credit hours specified in the catalog description of the course is the number that can be earned in one semester. If the course is pursued successfully for the whole year, twice the number of hours listed in the description will be earned.

## ART

Department Head: Associate Professor Cooper

Miss Friedenberg

The Art Department is an integral part of the liberal arts program and, as such, is not intended to take the place of a professional art school. Its aim is to give the student sound training in drawing, painting, art history, and technique, and to encourage creative thinking and productivity. The program is based on the conviction that such a broad background of basic knowledge will greatly increase the possibility of full expression.

**MAJOR:** Thirty-eight semester hours including the following studio courses which must be taken consecutively; 103-104, 203-204, 303-304, and 401-402. The remaining hours are taken in art history, the graphic arts, materials and techniques, and the art seminar. In addition, 2 hours of music and 6 hours of speech and drama must be selected. The requirements in music and drama may be met by Fine Arts Survey 197, 198.

### COURSES:

#### 01. CERAMIC JEWELRY. No credit.

Pouring, glazing and firing ceramic jewelry and some instruction in the use of a press mold. Offered in the Evening Division.

#### 04. INTERIOR DECORATION. Formerly Applied Art 209. No credit.

Units of work concerning interior decoration will be offered, including such problems as new trends in color schemes, furniture, lighting, and fabrics. This course includes both lecture and laboratory work.

#### 05. FASHION DESIGN. Formerly Applied Art 211. No credit.

A beginning course for the study of modern fashions and color as based on historic design. Study of designs for street, stage, and formal wear. Quick pencil sketching as demanded by the trade, which enables the designer to put workable designs on paper, is an important part of the course.

#### 101. SURVEY HISTORY OF ART. 3 hours.

An historical survey of painting, architecture, and sculpture from prehistoric times to the Italian Renaissance.

#### 102. SURVEY HISTORY OF ART. 3 hours.

A history from the Italian Renaissance to the contemporary schools in Europe and the United States.

#### 103-104. DRAWING AND COMPOSITION FOR BEGINNERS. 3 hours.

Basic training stressing draftsmanship and the elements of picturemaking. Drawing will be done in black and white, and in color. Outside compositions will be done for a weekly criticism class. This course, or its equivalent, is prerequisite to all advanced drawing and painting courses. Six studio hours a week.

#### 105-106. INTRODUCTION TO ART. 3 hours.

A beginner's course for students whose field of concentration lies in other



departments and who have had no previous training in art. Not open to art majors or to those who have had 103-104. Six studio hours a week.

**107. ART APPRECIATION. 1 hour.**

A non-technical course for the general college student. No credit toward an art major. The arts of the past and present are studied in relation to their social and cultural backgrounds.

**197, 198. FINE ARTS SURVEY. 3 hours.**

See General Education for course description.

**203-204. ADVANCED DRAWING AND COMPOSITION. 3 hours.**

The essentials are still stressed, but the student is encouraged to experiment with different media and methods of expression. Outside compositions will be done for a weekly criticism class. Six studio hours a week.

**205-206. ADVANCED PAINTING IN WATER COLORS. 3 hours.**

Six studio hours a week.

**209. COMMERCIAL ART. 3 hours.**

Offered in the evening division.

**301, 302. GRAPHIC ARTS. 3 hours.**

A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Open to students who have had 103-104 and 203-204, or their equivalents. Three hours a week with outside work.

**303-304. PAINTING. 3 hours.**

Proficiency in the use of oil paints is regarded as basic, but the student is encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

**307. MATERIALS AND TECHNIQUES. 3 hours.**

Prerequisite: Junior standing in the department. A systematic study of the less common methods of painting, including encaustic, mosaic, egg-tempera, casein, and plastics, and an examination of the techniques of some of the Old Masters. Lecture, studio, and outside work.

**401-402. ADVANCED PAINTING. 3 hours.**

During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a Senior Exhibit of his best work. Outside compositions will be brought in at the request of the instructor. Six studio hours a week.

**403. ART SEMINAR. 2 hours.**

Prerequisite: Senior standing or permission. A review of the history of art, and the facts and principles which are emphasized in all of the courses required for a major in art.

**421-422. HONORS COURSE IN ART. 3 hours.**

Open to qualified senior art majors. Work may be done in research and reading, or in painting. The student will follow a work plan arrived at in cooperation with the head of the department, and must consistently furnish evidence of seriousness of purpose.

## BIOLOGY

Department Head: Professor Warters

Associate Professor Speairs, Associate Professor Wilkins,

Mrs. McFarland, Mrs. Montgomery

The courses in this department are designed to emphasize the general cultural values of the biological sciences and the practical aspects of biology as related to man as well as to provide a broad background for graduate study in this science or for the numerous professions related to this field of study.

MAJOR: Thirty-four semester hours in biology; Mathematics 101 and 106 or 106 and 201; General Chemistry, and General Physics; Chemistry 202. Satisfy all requirements for B.S. degree.

### COURSES:

#### 101. PRINCIPLES OF BIOLOGY. 3-0-3 hours.

A study of the fundamental biological principles governing living organisms. Emphasis will be placed on the properties of protoplasm and cell organization; the methods by which plants and animals maintain themselves, grow and reproduce; the mechanisms of heredity and evolution.

A prerequisite to all other courses in the department.

#### 111. PRINCIPLES OF BIOLOGY LABORATORY. 0-3-1 hours.

A laboratory course required of all students enrolled in Biology 101 and to be taken concurrently.

#### 102. GENERAL BOTANY. 3-0-3 hours.

Prerequisite: Biology 101, 111.

A detailed study of the anatomy and life history of representatives of all groups of plants.

#### 112. GENERAL BOTANY LABORATORY. 0-3-1 hours.

A laboratory course required of students enrolled in Biology 102 and to be taken concurrently.

#### 104. GENERAL ZOOLOGY. 3-0-3 hours.

Prerequisite: Biology 101, 111.

A study of the principal animal phyla.

#### 114. GENERAL ZOOLOGY LABORATORY. 0-3-1 hours.

A laboratory course required of students enrolled in Biology 104 and to be taken concurrently.

#### 121. INTRODUCTION TO FORESTRY. 3-0-3 hours.

Phases and values of forestry and forest products. Industries considered on a local, state and national basis.

Centenary College has an affiliation with the Forestry School of Duke University. See p. 114 for the pre-forestry program.



**202. PLANT TAXONOMY. 3-3-4 hours.**

Prerequisite: Biology 102, 112 or consent of instructor.

A course in the identification and classification of plants native to this area or found in local cultivation.

**203. COMPARATIVE ANATOMY OF VERTEBRATES. 2-6-4 hours.**

Prerequisite: Biology 104, 114.

A comparative study of the vertebrate systems and their photogenetic development. Dissections are made of the shark, *Necturus* and cat.

**204. EMBRYOLOGY. 3-3-4 hours.**

Prerequisite: Biology 104, 114.

Gametogenesis, fertilization and early embryonic development; vertebrate ontogeny of chick and pig.

**206. DENDROLOGY. 2-3-3 hours.**

Prerequisite: Biology 102, 112.

Nomenclature, classification, identification, distribution and ecology of the more important woody plants of the United States with special emphasis on species indigenous to the Ark-La-Tex.

**210. INTRODUCTION TO ENTOMOLOGY. 3-3-4 hours.**

Prerequisite: Biology 104, 114.

A survey of class *Insecta* with emphasis on the identification and control of insects which affect the health of man, and of those insects which are of economic importance to the South.

**217. HUMAN ANATOMY AND PHYSIOLOGY. 3-3-4 hours.**

Prerequisite: Biology 104, 114.

A basic course designed especially for students interested in physical education, medical technology and physical therapy.

**301. INVERTEBRATE ZOOLOGY. 3-3-4 hours.**

Prerequisite: Biology 104, 114.

The taxonomy, morphology, physiology, and life histories of the invertebrate animals.

**302. MICROTECHNIQUE. 2-6-4 hours.**

Prerequisite: Biology 104, 114.

Preparation of animal tissue for microscopic study. Especially recommended to students who plan to enter graduate school or to be medical technologists.

**303. PLANT PHYSIOLOGY. 3-3-4 hours.**

Prerequisite: Biology 102, 112. Chemistry 102, 112.

A study of nutrition, growth and reproduction of plants and their physiological response to environment factors.

**305. ECOLOGY. 3-3-4 hours.**

Prerequisite: Biology 102, 112, 104, 114; Chemistry 102, 112.

A study of the interrelations of living things with reference to their non-living environment.

**306. MICROBIOLOGY. 3-3-4 hours.**

Prerequisite: Biology 102, 112, or 104, 114; Chemistry 102, 112.

A general course dealing with the morphology and physiology of microorganisms, including their relations to disease, sanitation, food preservation, dairy products, soil fertility, and industry. Some consideration is given to pathogenic fungi and to viruses.

**313. GENETICS. 3-0-3 hours.**

Prerequisite: Biology 102, 112, or 104, 114.

Principles of heredity and their practical application in the breeding of plants and animals.

**315. GENETICS LABORATORY. 0-3-1 hours.**

An optional laboratory course to accompany Biology 313.

**401. HISTOLOGY. 3-3-4 hours.**

Prerequisite: Biology 203 or 217.

Microscopic study of the tissues and organs of the human body.

**402. HUMAN PHYSIOLOGY. 3-3-4 hours.**

Prerequisite: Biology 203; Chemistry 202.

Fundamental principles and recent advances in the study of human physiology.

**403, 404. BIOLOGICAL PROBLEMS. 1-3 hours.**

Prerequisite: 20 hours of biology and with consent of instructor.

Special problems in biological investigations designed to introduce the student to biological research. A written report must be submitted.

**407. MYCOLOGY. 3-3-4 hours.**

Prerequisite: Biology 102, 112, or consent of the instructor.

Morphology and taxonomy of the fungi with emphasis on the pathogens and the methods of their control.

## BUSINESS

See Economics and Business, p. 42

## CHEMISTRY

Department Head: Professor Entrikin

Associate Professor Hanson, Associate Professor S. A. Taylor,

Dr. Ritchie, Mr. Hood

The Chemistry Department serves three types of students: first, those who plan to become professional chemists; second, those who expect to use chemistry in other professions or occupations; third, those who desire a science course for general education and for training in scientific methods of thought. Centenary College is one of the limited number of colleges approved by the American Chemical Society for the training of chemists.

MAJOR: Chemistry 202, 206, 215, 352, 354 and their prerequisites; two additional semesters of advanced chemistry; mathematics through differential equations; Physics 202; German 202 or Russian 202; and the core curriculum requirements in the social sciences and humanities.

### COURSES:

**101-102. GENERAL CHEMISTRY. 3-0-3 hours.**

First semester: The general foundations and principles of chemistry. Second semester: The consideration of the more important elements and their compounds. Either of these semesters may be waived for students who prove that they are prepared to take more advanced work.



**111-112. GENERAL CHEMISTRY LABORATORY. 0-3-1 hours.**

Individual laboratory work designed to accompany courses 101-102.  
The second semester's work includes qualitative analysis.

**201-202. ORGANIC CHEMISTRY. 3-3-4 hours. (Formerly 301-302)**

Prerequisites: Chemistry 102 and 112.

A systematic study of the various series of organic compounds. Monofunctional compounds are covered in the first semester; di- and polyfunctional compounds are studied in the second semester. The laboratory work is on a semimicro scale and includes introductory qualitative organic analysis.

**205-206. ORGANIC CHEMISTRY LABORATORY. 0-3-1 hours.**

(Formerly 303-304)

Additional laboratory work to accompany courses 201-202.

**215. QUANTITATIVE ANALYSIS. 2-6-4 hours.**

The theory of analytical separations and the determination of the components of mixtures by selected gravimetric, volumetric and instrumental methods.

**255. ORGANIC CHEMISTRY—SHORT COURSE. 3-3-4 hours.**

Prerequisites: Chemistry 102 and 112 or the consent of the instructor.

Offered on sufficient demand in the Evening Division. Not acceptable for chemistry majors and not recommended for pre-medical or pre-dental students.

**310. ANALYSIS OF NATURAL GAS. 0-3-1 hours.**

Prerequisites: Two years of college chemistry or the consent of the instructor. The theory and practice of the analysis of natural gas. Gas chromatography apparatus is used.

**351-352. PHYSICAL CHEMISTRY. 3-0-3 hours. (Formerly 401-402)**

Prerequisites: Chemistry 215, integral calculus, and Physics 202.

An introduction to the laws that explain the properties of gases, liquids, crystals, and colloids, and the behavior of their mixtures; chemical thermodynamics; kinetics; electrochemistry; photochemistry; atomic and molecular structures.

**353-354. PHYSICAL CHEMISTRY LABORATORY. 0-3-1 hours.**

(Formerly 403-404)

Laboratory work designed to accompany Chemistry 351-352.

**421. QUALITATIVE ORGANIC ANALYSIS. 2-6-4 hours.**

Prerequisite: Chemistry 202 and 426.

A study of the theory and practice of identifying organic compounds and the separation of mixtures. Semimicro procedures are used for both chemical and instrumental methods.

**422. INORGANIC CHEMISTRY. 3-0-3 hours.**

Prerequisites: Chemistry 352 or concurrent registration in 352.

A senior-level course dealing with the properties of the elements and selected compounds.

**426. ADVANCED ANALYTICAL CHEMISTRY. 2-6-4 hours.**

Prerequisites: Chemistry 215 and 352 or concurrent registration in 352; Physics 202. The theory and practice of instrumental methods of analysis, including visual and flame spectrophotometry, infra red spectrophotometry, polarography, electro-titrations, and compleximetric titrations.

**427. SPECIAL PROBLEMS IN CHEMISTRY. 1-6-3 hours.**

Open to chemistry seniors with the consent of the instructor. A written report is required based on the library and laboratory work done.

## DRAMA

See Speech and Drama, p. 85.

## ECONOMICS AND BUSINESS

Department Head: Professor Pate

Associate Professor Armstrong, Associate Professor Trewatha, Assistant Professor Menefee, Mrs. Roth, Mr. Anderson, Mrs. Bell, Mr. Beyersdorf, Mrs. Brown, Mr. Burns, Mr. Cook, Mr. Elgin, Mr. Files, Mr. Goff, Mr. Hall, Mr. Lowry, Mr. Mayo, Mr. Pearce, Mr. Simmons, Mr. Tillman, Mrs. Trewatha, Mr. Trichel, Mr. Wallace, Mr. Williamson, Mr. Willis, Mr. Wilson.

## ECONOMICS

The economics major offers training for the citizen who to a degree must be an economist in his daily life; for the businessman who must make decisions in the light of economic developments; and for the economist who is concerned with the manner in which the economic system as a totality operates.

**MAJOR:** B.A. in Economics. Requirements: Core curriculum, thirty hours in economics, Business 103-104, and approval of course of study by departmental advisor. Business 346, 425 and 426 may be used to satisfy the major requirements in economics.

**Prerequisite policy:** Only Economics 123 is open to freshmen; Economics 201 and 202 are prerequisites for all other courses except 204 and 315.

### COURSES:

#### 123. ECONOMIC HISTORY OF THE U. S. 3 hours.

A survey course which traces the development of agriculture, industry and commerce in U. S. history.

#### 201-202. PRINCIPLES AND PROBLEMS OF ECONOMICS. 3 hours each semester.

First semester: Economic concepts, basic principles and laws, institutional development and economic analysis. Second semester: Application of economic theory to problems of human welfare and the development of economic institutions.

#### 204. PRINCIPLES OF ECONOMICS. 3 hours.

A one-semester survey course designed to provide a general knowledge of the economic aspects of our society. Not open to business and economics majors. Spring semester.



**305. ELEMENTARY STATISTICS. 3-2-4 hours.**

Frequency distribution analysis, time series analysis, index numbers and simple correlation. Recommended for majors in education, psychology, sociology and business. Fall semester.

**315. CONSUMER ECONOMICS. 3 hours.**

Problems of the individual and family in buying intelligently in the market and making the best use of income. Elective credit only.

**324. LABOR PROBLEMS. 3 hours.**

A study of the development and place of organized labor in modern economic society.

**326. PUBLIC FINANCE. 3 hours.**

A study of governmental expenditure, debt and taxation policies.

**328. PUBLIC UTILITIES. 3 hours.**

Difference between competitive enterprise and public utility companies. Principles of regulation of utilities. Public and private ownership of utilities. Evening Division only.

**329. MONEY AND BANKING. 3 hours.**

The structure and operation of our money and banking institutions, with emphasis on the place of money and banking in the economic life of the community. Spring semester.

**430. BUSINESS FLUCTUATIONS. 3 hours.**

Economic fluctuations—possible causes and cures.

**440. INTERNATIONAL ECONOMICS. 3 hours.**

Analysis of foreign trade and finance in terms of today's economic and political institutional structure.

**470. ECONOMICS SEMINAR. 1 to 3 hours.**

A reading and research course open to qualified seniors by special permission.

## BUSINESS

There is general agreement today that the businessman needs training in the liberal arts. Courses in the humanities, in mathematics and natural sciences and in the social sciences equip the business man with the analytical ability and the breadth and flexibility of mind necessary to cope with "a technological, social, economic and political environment that changes with bewildering rapidity."

Accordingly, Centenary deemphasizes "training for the first job" because of the danger of concentration on a narrow range of factual knowledge and the development of largely routine skills, none of which might be useful except in certain specific jobs using specific techniques. The narrower the student's training the less well-equipped he will be to cope with change and to learn from experience on the job.

In the courses designed to train the student in the area of business, Centenary, therefore, places emphasis on a broad base of fundamental knowledge and the development of certain basic skills on which the student can build through experience obtained after college. To this end we recommend that the student limit his business courses to (1) the basic skill courses of principles of accounting, communications, statis-

tics, and business law and (2) the broad integrated courses which provide the fundamental principles on which business decisions must be made, regardless of the job—principles of management, principles of marketing and (in the area of private finance) money and banking and corporation finance.

**MAJOR: B. S. in Business.** Requirements: The core curriculum, except that only one year of foreign language is required, thirty hours of business (103-104 and 323-324 must be included) of which at least 18 must be at the 300-400 level, and Economics 201-202. The balance of the 124 hours required for graduation should be chosen from the following list of recommended electives:

Humanities	Science and Mathematics	Social Science
English 309, 312	Chemistry 101	Government 201, 309, 310
Foreign language	Geology 101	History 313, 314, 321, 322
General Education 197, 198	Mathematics 202	Psychology 201, 311
Philosophy 201, 301, 302	Physics 112	Sociology 103

Prerequisite policy: Approval of instructor. Courses at the 300 and 400 level are open only to juniors and seniors and require Business 103-104 and Economics 201-202.

## COURSES:

(103-104.) **PRINCIPLES OF ACCOUNTING.** 3 hours each semester.

An introductory course to familiarize the student with the basic forms and procedures, and to give him a clear presentation of the entire accounting field.

161-162. **ELEMENTARY SHORTHAND.** 3 hours each semester.

An intensive introductory course in Gregg shorthand.

165. **ELEMENTARY TYPEWRITING.** 2 hours.

Principles and techniques of touch typewriting. Placement tests will be given students presenting entrance credits.

166. **INTERMEDIATE TYPEWRITING.** 2 hours.

Intended to develop a greater skill in operating the typewriter.

205-206. **INTERMEDIATE ACCOUNTING.** 3 hours each semester.

This course covers the principles of balance sheet valuation and profit determination. Emphasis is on matters of fundamental accounting theory.

241. **ADVERTISING.** 3 hours.

Survey of advertising procedure, covering elements of good copy and layout, printing and engraving principles, advertising media, markets, copytesting.

242. **BUSINESS CORRESPONDENCE.** 3 hours.

Study and practice in writing correct and forceful business letters and reports.

263-264. **ADVANCED SHORTHAND.** 3 hours each semester.

A continuation of the elementary course with emphasis on the development of speed in dictation and transcription.

265-266. **ADVANCED TYPEWRITING.** 2 hours each semester.

The course is designed to develop greater technical skill. Practice is given in typing various types of business documents.



**307. ADVANCED ACCOUNTING. 3 hours.**

An advanced theory course presenting the accounting problems in consolidated statements, partnerships, installment sales, consignments, branch offices and fiduciaries.

**308. GOVERNMENTAL ACCOUNTING. 3 hours.**

A course presenting the accounting theory and practice concerning municipalities and other governmental units and non-profit institutions, placing special emphasis on budgetary and fund accounting.

**309. COST ACCOUNTING. 3 hours.**

An introductory course which presents the accounting for materials, labor and burden under job order cost systems and process cost systems for the manufacturing concern.

**311-312. AUDITING. 3 hours each semester.**

This course presents the problem of modern auditing and is designed to meet the current demands for skilled public accountants.

**321. PRINCIPLES OF MANAGEMENT. 3 hours.**

A survey course designed to acquaint the student with the fundamentals of managerial problems. Spring semester.

**323-324. BUSINESS LAW. 3 hours each semester.**

A study of the legal aspects of business transactions.

**346. PRINCIPLES OF MARKETING. 3 hours.**

A study of marketing functions, agencies, costs, pricing policies, advertising, chain store distribution, the supermarket and cooperative marketing. Fall semester.

**425. CORPORATION FINANCE. 3 hours.**

A study of the promotion, incorporation and financing of modern business. Fall semester.

**426. INVESTMENTS. 3 hours.**

A study of the principles and problems determining sound investment policy.

**EVENING DIVISION COURSES**

Courses are offered on demand. Prerequisite for credit: Junior standing, Business 103-104, Economics 201-202, approval of instructor.

**04-05. C. P. A. REVIEW.**

A non-credit course designed as a review covering the four phases of the C. P. A. examination.

**207-208. PETROLEUM ACCOUNTING. 3 hours each semester.**

A specialized course in petroleum accounting presenting methods and procedures used in the oil and gas industry.

**209-210. PUBLIC UTILITY ACCOUNTING. 3 hours each semester.**

A course designed to acquaint the student with accounting procedure followed by natural gas, electric and telephone companies.

**301. REAL ESTATE PRINCIPLES. 3 hours.**

A survey course dealing with the fundamental branches of real estate, including advertising, selling, financing, building construction, building management, and settlements. Offered in cooperation with the Shreveport-Bossier Board of Realtors.

**310. INTERMEDIATE COST ACCOUNTING. 3 hours.**

Advanced process cost procedures: "expected" and "basic" cost systems; special procedures for accounting for avoidable and unavoidable spoilage; fundamentals of direct costing.

**313-314 INCOME TAX PROCEDURE. 3 hours.**

State and federal income tax laws and procedures, as related to filing of corporation, partnership and fiduciary tax returns and relationship of accounting policy of a business to its income tax liability.

**320. PERSONNEL MANAGEMENT. 3 hours.**

A survey of the organization and administration of personnel departments, education and training policies, wage policies, and the maintenance of favorable industrial relations.

**322. SMALL BUSINESS OPERATIONS. 3 hours.**

This course is designed to acquaint the student with the organization and operation of a small business, including how to organize the business, capital and credit problems, managerial problems.

**343. SALESMANSHIP. 3 hours.**

The modern sales position from the viewpoint of both the buyer and the seller.

**348. CREDITS AND COLLECTIONS.**

A course designed to present the fundamentals of credit policy to the student.

## EDUCATION AND PSYCHOLOGY

Department Head: Professor MacCurdy

Associate Professor Touchstone, Assistant Professor Hughes, Assistant Professor Williams, Miss Arnold, Dr. Bird, Mr. Duncan, Mr. Green, Mrs. Layton, Mr. Lockridge, Dr. Lucar, Mr. Middleton, Mrs. Moore, Dr. Posey, Mrs. Riser, Mr. Rosenzweig, Miss Snelling, Dr. Stringfellow.

### EDUCATION

The Department of Education and Psychology has responsibility for the teacher-education curriculum of the college. It also provides elective courses for those interested and sponsors educational activities. Its goal is to produce teachers who are professionally prepared, rich in the liberal arts, knowledgeable in the issues of democracy, and strong morally and ethically.

The teacher-education program of the department meets the requirements of Louisiana law. Candidates for teaching certificates in the state fulfill the requirements for lower elementary, upper elementary, or high school certificates. The student teaching required for certification is done in schools in the area. The department provides a Teacher Placement Bureau for all who are registered in the program.

All college graduates who wish to become certified teachers and who wish to have their plans and programs evaluated must pay a fee of fifteen (\$15.00) dollars for this service. Payment of this fee also



entitles the student to be listed with the Centenary Teacher Placement Bureau.

**MAJORS:** Candidates for one or more certificates must meet all the requirements for graduation and complete also the teacher-education curriculum. The curriculum leading to a Bachelor of Science in Education with certification in lower or upper elementary education is outlined on p. 105. The curriculum leading to a Bachelor of Science in Education with certification in one or more of the secondary education subjects may be earned by following the curricula on pp. 106-113. In these cases the field of specialization will be placed in parentheses on the diploma and transcript after the term *education*. Students may select a teaching field in one or more of the college departments if the subject is one in which the State of Louisiana grants certification. Each such department has a consultant to aid the student with his problems.

*Certification requirements:* The core curriculum plus 4 more hours of natural science.

*Teaching major and electives:* The total of hours varies with departments but does not exceed 44 hours in any major except music.

*Professional Education:* The courses required in most certification programs are as follows, though elementary and music requirements differ slightly:

Education	102	Foundations of Education	3 hrs.
Education	200	Educational Psychology	3 hrs.
Psychology	302	Adolescent Psychology	3 hrs.
Education	321	Methods	3 hrs.
Education	410	Seminar	1 hrs.
Education	422	Student Teaching	6 hrs.
TOTAL .....			19 hrs.

*Administrative requirements:*

All students planning to certify as teachers must by the end of the sophomore year petition the selective Admissions Committee of the Teacher Education Advisory Council for acceptance into the Department of Education. They must meet certain requirements of grade average, oral and written communication, health, and appearance as determined by the Admissions Committee. Note: No student will be allowed to enroll in professional courses Education 311, 312, 321, 400, 401, 410, 422; Music 321, 323, 421, 423, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, until approved by the Committee.

## COURSES—EDUCATION

### 102. FOUNDATIONS OF EDUCATION. 3 hours.

A study of major movements and issues in education.

### 103. MATHEMATICS FOR TEACHERS. 3 hours.

A content course in arithmetic designed primarily for elementary school teachers.

Includes the development of the number system from historical and psychological viewpoints, a study of the structure and logic of arithmetic, basic concepts of sets.

200. **EDUCATIONAL PSYCHOLOGY.** (Formerly Psychology 206.) 3 hours.  
Required for certification of all teachers. A study of the psychological principles of learning, and adjustment of the typical student in American schools. Oriented toward the problems of the usual classrooms.
205. **CHILDREN'S LITERATURE.** 3 hours.  
Prerequisite: Sophomore standing.  
A study of selection and evaluation of children's books as to format, content, style, and age-group interest of the child. Class activities in story-telling, reading, puppetry, dramatization, and choral speaking.
206. **ARTS AND CRAFTS FOR TEACHERS.** 3 hours.  
A development of basic skills in handicrafts and basic concepts and techniques in art for the elementary school. May be counted as art course for teachers only.
300. **AUDIO-VISUAL AIDS IN TEACHING.** (Formerly Education 220.)  
3 hours.  
A study of the use of the radio, transcription, films, still pictures, slides, charts, globes, etc., as learning aids. Required for certification in many states.  
Individual laboratory work by arrangement.
- 311-312. **ELEMENTARY SCHOOL CURRICULUM.** 3 hours each.  
Prerequisites: Education 102, 200, Psychology 301, and pass Admissions Committee.  
A study of materials, methods and problems relative to the development of the elementary school child. Classroom observation is included.
314. **TESTS AND MEASUREMENTS OF GROWTH IN LEARNING.** 3 hours.  
A study of the measurement movement including standardized tests and the development of skills in constructing teacher-made tests. Required for certification in many states.
321. **METHODS OF TEACHING IN THE SECONDARY SCHOOL.** 3 hours.  
Prerequisites: Junior standing, Education 102, 200, and pass Admissions Committee.  
A study of education on the secondary school level with emphasis on materials and techniques in each field of specialization, including classroom observation.
400. **STUDENT-TEACHING IN THE LOWER ELEMENTARY GRADES.** 6 hours.  
Prerequisites: Education 102, 200, 311-312; Psychology 301.  
Observation and teaching in grades 1 through 4.
401. **STUDENT-TEACHING IN THE UPPER ELEMENTARY GRADES.** 6 hours.  
Prerequisites: Education 102, 200, 311-312; Psychology 301.  
Observation and teaching in grades 4 through 8.
410. **SEMINAR.** 1 hour.  
Problems of Student-Teaching. To be taken concurrently with student-teaching only.
411. **TEACHING TECHNIQUES IN READING.** 3 hours.  
Prerequisite: Junior standing.  
To acquaint teachers with the values, materials and the techniques useful in a developmental reading program. It seeks further to acquaint students with professional literature in the field of reading.
412. **TEACHING SCIENCE IN ELEMENTARY SCHOOLS.** 3 hours.  
Prerequisite: Education 311-312.  
An understanding of the goals, principles, philosophy, activities, materials necessary to teach science in elementary schools. Practice in preparation and presentation of elementary science units is included. May be taken concurrently with practice teaching or later.



**422. STUDENT-TEACHING IN HIGH SCHOOL. 6 hours.**

Prerequisites: Education 102, 200, 321, Psychology 302.

Observation and practice teaching in the field of specialization.

**423. PRINCIPLES OF GUIDANCE. (Formerly Education 323.) 3 hours.**

A study of the needs, purposes, and techniques in guiding and counseling school-age children with an emphasis on vocational self-guidance in the classroom.

Required for certification in many states.

**425. TEACHING THE GIFTED. 3 hours.**

Prerequisite: Teaching experience and some psychology.

Designed to achieve an understanding of the nature of giftedness and the conditions necessary to nurture it to fulfillment in the schools. Problems and resources to develop giftedness beyond the limits of the schools are considered.

**426. THE EXCEPTIONAL CHILD. (Formerly Education 316.) 3 hours.**

Prerequisite: Junior standing.

How to know and how to teach the slow learner, the hard of hearing and the physically handicapped.

**475. WORKSHOP IN EDUCATION. 1-6 hours.**

A course for group action using group dynamics about a specialized theme of study.

To assist teachers in the study of problems within their system or field of work.

For group members only. Evening Division only.

## PSYCHOLOGY

Within the natural science framework, psychology attempts to understand human behavior by discovering functional relationships between behavior and conditions in the environment and the organism.

**MAJOR:** (1) Twenty-four semester hours in psychology: Psychology 201, 203, 303, 403 (or 404), 407 (or 410), and nine additional semester hours in psychology courses numbered 300 or higher, as approved by advisor. (2) Twelve semester hours in a related field approved by the major advisor (e.g., sociology, biology, economics).

Either Economics 305 or Mathematics 305 is required and may be counted toward the major in psychology.

Biology 101 and 104 are strongly recommended for prospective psychology students during their freshman year. Students who are considering entering graduate schools to major in psychology should enroll in French or German, as a reading knowledge of at least one foreign language is expected.

## COURSES—PSYCHOLOGY

**201. GENERAL PSYCHOLOGY. 3 hours.**

Prerequisite: Sophomore standing.

The basic course in psychology. Introduces the study of human behavior in the areas of learning, personality, emotions, motivation, perception, etc.

**203. ELEMENTARY LABORATORY IN PSYCHOLOGY. 2-4-3 hours.**

Prerequisite or corequisite: Psychology 201.

Laboratory study of fundamental psychological problems, with emphasis on the learning of methodology, reports, experiments and review of literature.

**205. PSYCHOLOGY OF ADJUSTMENT. 3 hours.**

Prerequisite: Sophomore standing.

A study of mental health, personal adjustment problems, and self-management. Aims to help the student learn more about his problems in order to improve adjustment.

**301. CHILD PSYCHOLOGY. (Formerly Psychology 207). 3 hours.**

Prerequisite or corequisite: Psychology 201 or Educational Psychology.

Required for certification of elementary teachers. A study of the mental, physical, and social-psychological development of the typical school child.

**302. ADOLESCENT PSYCHOLOGY. 3 hours.**

Prerequisite or corequisite: Psychology 201 or Educational Psychology.

Required for certification of secondary teachers. A study of the typical adolescent, his physical characteristics, emotions, interests, personality disturbances, adjustments, and problems.

**303. PERSONALITY. 3 hours.**

Prerequisite: Psychology 201.

A survey of the field of personality emphasizing theories of the development of personality. Methods of studying personality will be considered along with observed evidence important to the theories.

**304. ABNORMAL PSYCHOLOGY. (Formerly Psychology 402.) 3 hours.**

Prerequisite: Psychology 201.

A study of abnormal behavior, emphasizing aspects of neuroses and psychoses commonly seen. Development of abnormal behavior will be considered as well as modern treatment methods.

**305. SOCIAL PSYCHOLOGY. (Formerly Psychology 401.) 3 hours.**

Prerequisite: Psychology 201.

A study of the nature of social behaviors; a psychological analysis of society and social institutions.

**311. INDUSTRIAL PSYCHOLOGY. 3 hours.**

Prerequisite: Psychology 201.

Study of duties and responsibilities of personnel department. Use of tests in industry.

**403. EXPERIMENTAL PSYCHOLOGY I. LEARNING AND MOTIVATION.**

1-6-3 hours.

Prerequisites: Psychology 201 and 203, Economics 305 or Mathematics 305.

Study of methods, findings and interpretation of experiments in motivation, learning, problem solving, and performance. Actual experiments will be performed, and a minor original study will be required.

**404. EXPERIMENTAL PSYCHOLOGY II. SENSATION AND PERCEPTION.**

1-6-3 hours.

Prerequisites: Same as for Psychology 403.

Same as Psychology 403, except studying the areas of sensation, perception, and psychophysical methods.

**405. PSYCHOLOGICAL MEASUREMENT. 3 hours.**

Prerequisites: Psychology 201 and Economics 305 or Mathematics 305.

Survey of problems and methods of measuring behavior. Emphasis on the concepts of reliability and validity. Some standardized tests will be examined as illustrations of mental measurement devices.

**406. PHYSIOLOGICAL PSYCHOLOGY. 3 hours.**

Prerequisites: Psychology 201 plus six hours of other psychology.

Study of the relationship between physiological processes and other behavior. Emphasis on the study of the nervous system.



**407. SYSTEMS OF PSYCHOLOGY. 3 hours.**

Prerequisites: Psychology 201 plus six hours of other psychology.

A survey of the systematic points of view, theory, and their relevance to present-day psychology.

**410. SEMINAR IN CURRENT LITERATURE IN PSYCHOLOGY. (Formerly Psychology 313-314.) 1 to 3 hours.**

Prerequisites: Psychology 201 and approval of the instructor.

A study of current psychological literature, including research reported in scientific journals. Strongly recommended for majors in psychology.

## ENGINEERING SCIENCES

See Physics and Engineering Sciences, p. 78

## ENGLISH

Department Head: Professor Clark

Professor Guerin, Professor Morgan, Assistant Professor Burris, Assistant Professor Johnson, Mr. Buckner, Mr. Hammer, Mr. McNair, Mrs. Bender, Mrs. Burris, Mrs. Kelly.

The purpose of courses in English is to develop skill in written communication and to develop critical judgment and appreciation of the work of major writers in relation to their social and intellectual background.

**MAJOR:** (1) Twenty-four semester hours of English in courses numbered 200 and above, of which at least six hours shall be in courses numbered 400 and above and six additional hours numbered 300 and above.

(2) Twelve to eighteen additional hours in related subjects approved by the Head of the English Department must be taken and the requirements of the core curriculum met.

General Education 197 or 198 and English 407 are required and English 301, 302, and 415 are strongly urged for all English majors.

### COURSES:

**101-102. FRESHMAN ENGLISH. 3 hours.**

Designed to develop precision and correctness in writing through theme writing and reading of literature.

**143. DEVELOPMENTAL READING. 1 hour.**

Development of good reading habits with aid of the tachistoscope and controlled reader. Emphasis on speed and comprehension.

**201-202. MASTERPIECES OF ENGLISH LITERATURE. 3 hours.**

An intensive study of representative English writers from Chaucer to Shaw. Required of all candidates for the B.A. degree.

**203-204. MASTERPIECES OF AMERICAN LITERATURE. 3 hours.**

An intensive study of representative American writers from Edwards to Hemingway. Candidates for the B.S. degree may meet English requirements with this course in place of English 201-202 if they so desire.

**242. DESCRIPTIVE ENGLISH GRAMMAR AND USAGE. 3 hours.**

Prerequisite: English 101-102.

Intensive study of the English sentence, its structural logic and idiom. Offered as a service to students who feel uncertain about the conventional correctness of their own English. Will give no credit toward the English major, but may be counted toward a "teaching field" in English, and as a general elective credit.

**301. THE AMERICAN NOVEL. 3 hours.**

A study of selected works of twelve important American novelists.

**302. THE AMERICAN RENAISSANCE. 3 hours.**

A study of the major American writers of the mid-nineteenth century; Emerson, Thoreau, Whitman, Melville, and Hawthorne.

**303. LITERATURE OF THE ROMANTIC PERIOD. 3 hours.**

A study of English romantic writers, exclusive of the novel.

**304. LITERATURE OF THE VICTORIAN PERIOD. 3 hours.**

A study of Victorian writers, exclusive of the novel.

**305. SEMINAR IN WRITING. 3 hours.**

Prerequisite: Junior standing or permission.

Practice in writing various forms of prose and poetry. Offered only on sufficient demand.

**309. SHAKESPEARE SURVEY. 3 hours.**

Reading and discussion of fourteen or more of Shakespeare's plays and the sonnets.

**311, 312. TWENTIETH-CENTURY ENGLISH AND AMERICAN LITERATURE. 3 hours.**

A study of the major movements in fiction, poetry, drama, and criticism since 1900. The terminal date for the first semester course is 1925; the second semester will be devoted to the period from 1925 to the present.

**313. THE ENGLISH BIBLE AS LITERATURE. 3 hours.**

A study of the Bible as a collection of literary masterpieces of many types and forms. (May, with permission of the Head of the Department of Religion, be used in lieu of Religion 101.)

**315, 316. NON-DRAMATIC LITERATURE OF THE ENGLISH RENAISSANCE. 3 hours.**

Study of prose and non-dramatic poetry of the late 15th to mid-17th centuries, with emphasis upon the humanists, the sonneteers, Spenser, Sidney, Bacon, Browne, and the schools of Jonson and Donne.

**317, 318. LITERATURE OF THE RESTORATION AND EIGHTEENTH CENTURY. 3 hours.**

A study of representative literature of these periods, exclusive of the novel.

**321. COMPARATIVE LITERATURE. (Formerly General Education 321.) 3 hours.**

Prerequisite: Junior standing.

A critical and historical study of the masterpieces of European literature in English translations, as well as the discussion of racial and national background of European literature up to the Renaissance.



322. COMPARATIVE LITERATURE. (Formerly General Education 322.)  
3 hours.

Prerequisite: Junior standing.

A critical study of masterpieces of modern European, American and Latin-American literature. Study and discussion will be devoted to such themes as: Revolt, Confession, Romance, Liberty of the Mind, and Introspection.

401. CHAUCER. 3 hours.

A study of the major poems, with chief emphasis upon the *Canterbury Tales*.

402. MILTON. 3 hours.

A study of the poetry and of typical prose, with emphasis upon the Minor Poems, *Paradise Lost*, and *Samson Agonistes*.

403, 404. THE ENGLISH NOVEL. 3 hours.

The development of the novel from the beginning of prose fiction through the Eighteenth Century novelists, in the first semester; the major Nineteenth Century novelists, in the second semester.

406. LITERARY CRITICISM. 3 hours.

The study of major critical documents from Plato and Aristotle to the present as they mark changing attitudes toward creative literature; the theory of criticism; the problems of practical criticism; and the preparation of papers applying theory and solving problems.

407. SEMINAR IN ENGLISH. 3 hours.

Prerequisite: Senior standing or permission.

A survey course at the senior level, designed to organize and synthesize the student's information about English and American Literature.

410. SHAKESPEARE SEMINAR. 3 hours.

Prerequisite: Permission of instructor.

Intensive study of various Shakespearean concepts, interpretations, and other problems. Presentation of individual papers and group projects.

415. HISTORY OF THE ENGLISH LANGUAGE. 3 hours.

A survey history of the English language, with attention to phonology, morphology and syntax, and to idioms.

417. PRE-SHAKESPEAREAN DRAMA. 3 hours.

The development of the English drama from its medieval and classical sources before Shakespeare.

418. ELIZABETHAN AND LATER DRAMA. 3 hours.

The English drama from the time of Shakespeare to the closing of the theatres, 1642.

## FOREIGN LANGUAGES

Department Head: Professor Beck

Professor Strauss, Associate Professor Nickel, Assistant Professor Elder, Assistant Professor Felsher, Assistant Professor Halliburton, Assistant Professor Rees, Miss Cooper, Mr. Kleinhans, Mr. Salvail, Miss Smith.

Study of one or more foreign languages will introduce the student to the accumulated culture and experience of the human race, show him the continuation of the present from the past, and provide him with some understanding of the world in which he lives.

If the student plans to be a translator, he needs to acquire a thorough reading knowledge of the language of his choice. If he plans

to enter the diplomatic service or be an interpreter, he will need also to master the spoken language. If he plans to prepare to do clerical work involving foreign correspondence as a commercial attache, a secret service employee or a foreign trade expert, he will need to acquire skill in both speaking and writing the language of the countries in which he is interested.

A sequence of 201-202 in a foreign language is required of all students except candidates for the Bachelor of Music degree and for Bachelor of Science degrees in Business, Elementary Education, Engineering Sciences, Physical Education, and Secondary Education.

#### MAJOR IN FRENCH OR SPANISH OR COMBINATION:

Twenty-nine semester hours or equivalent; fourteen semester hours in a second foreign language, or eleven hours in each of two; or other subjects approved by the Head of the Department. The combination major can be of any combination: French-Spanish, Spanish-German, German-French in which the student must take twenty-three semester hours in one and twenty semester hours in the other or equivalent.

For a French major or a Spanish major: 24 semester hours beyond 202.

Students credited on admission with two units in a foreign language should take Course 201 in that language. Students presenting three units may, after conference with department professor, enter French, German or Spanish 301.

#### COURSES—FRENCH

(101-102). ELEMENTARY FRENCH. 3-2-4 hours.

Oral practice and pronunciation, elementary composition, reading and grammar.

201-202. INTERMEDIATE FRENCH. 3 hours.

Prerequisite: French 101-102.

Conversation, more difficult reading, composition and grammar.

203-204. ADVANCED GRAMMAR AND INTERMEDIATE CONVERSATION.

3-2-4 hours.

Prerequisite: French 101-102.

Strongly urged for all French majors and those planning to teach in secondary schools. Not to be substituted in any case for 201-202.

Laboratory work and instruction via the oral method. More complex grammatical constructions, idiom drills, compositions and phonetics.

301-302. A SURVEY IN FRENCH LITERATURE. 3 hours. (Formerly 405, 406).

Prerequisite: French 201-202.

This course is required for French majors. Studies in text from the Chansons de gestes down to the present day.

303. MODERN AND CONTEMPORARY DRAMA. 3 hours. (Formerly 403)

Prerequisite: French 201-202.

Lecture, outside reading and study in class from such dramatists as Cúrel, Rostand, Porto Riche, Bernstein, Lavedan, Bataille, Pagnol, Giraudoux, Sartre, Salacrou and Anouilh.



**304. CONTEMPORARY NOVEL AND SHORT STORY. 3 hours.**

Prerequisite: French 201-202.

Lecture, outside reading and study in class of such writers as Gide, Proust, Colette, Mauriac, Romain, Duhamel, Morand, Lacretelle, Ayme, Troyat, Camus and Boule.

**401. MOLIERE, CORNEILLE, AND RACINE. 3 hours.**

Prerequisite: French 301-302.

Lectures in French, collateral reading, study of their most distinctive plays.

**402. VOLTAIRE AND ROUSSEAU. 3 hours.**

Prerequisite: French 301-302.

Lectures in French, collateral reading, study in class of several of their most representative works.

**404. THE MODERN NOVEL. 3 hours.**

Prerequisite: French 301-302.

Lectures in French, study in class of representative works of Stendhal, Balzac, Flaubert, Zola and France.

**407. ROMANTIC NOVEL. 3 hours.**

Prerequisite: French 301-302.

Lectures in French, outside reading and study in class of such writers as Lafayette, Marivaux, Le Sage, Prevost, Saint-Pierre, de Stael, Constant and Hugo.

**COURSES—GERMAN****(101-102). ELEMENTARY GERMAN. 4 hours.**

German and easy reading. Conversation.

**201-202. INTERMEDIATE GERMAN. 3 hours.**

Prerequisite: German 101-102.

Grammar review and simple composition exercises with much oral practice. Through the intensive and extensive reading of Modern German prose including a considerable body of scientific German, the course aims to give a competent reading knowledge of the language.

**301-302. ADVANCED GERMAN. 3 hours.**

Prerequisite: German 201-202.

Practice in translating from English into German and in free German composition. Comprehensive reading in German; selections from classical and modern authors. A general orientation in German Literature.

**401-402. SURVEY OF GERMAN LITERATURE. 3 hours.**

Prerequisite: German 301-302.

Reading from selected German authors.

**COURSES—LATIN****(101-102). ELEMENTARY LATIN. 3-2-4 hours.**

An introduction to the fundamentals of Latin Grammar and the reading of Latin authors.

**201-202. INTERMEDIATE LATIN. 3 hours.**

Designed for freshmen entering with two units of Latin, or those who have had Latin 101-102. Reading from several Latin writers. Systematic review of principles of syntax.

**301-302. ADVANCED LATIN. 3 hours.**

Prerequisite: Latin 201-202 or three years of high school Latin.

Selections from the essays of Cicero, the *Aeneid* of Virgil, and the *Metamorphoses* of Ovid.

**COURSES—RUSSIAN****(101-102). ELEMENTARY RUSSIAN. 3-2-4 hours.**

Oral practice and pronunciation, elementary composition, reading and grammar.

**201-202. INTERMEDIATE RUSSIAN. 3 hours.**

Prerequisite: Russian 101-102.

Conversation, more difficult reading, composition and grammar.

**COURSES—SPANISH****(101-102). ELEMENTARY SPANISH. 3-2-4 hours.**

Grammar, reading composition and oral practice.

**201-202. INTERMEDIATE SPANISH. 3 hours.**

Prerequisite: Spanish (101-102) or two units from high school.

Advanced grammar, composition, conversation, and reading of short stories.

**203-204. ADVANCED GRAMMAR AND INTERMEDIATE CONVERSATIONAL SPANISH. 3-2-4 hours.**

Prerequisite: Spanish 101-102.

Strongly urged for all Spanish majors and those planning to teach in secondary schools. Not to be substituted in any case for 201-202. Laboratory work and instruction via the oral method. More complex grammatical constructions, idiom drill, composition and intonation patterns.

**205. SPANISH-AMERICAN CULTURE AND CIVILIZATION. 3 hours.**

A survey of the native and Hispanic contributions to the life and literature of the American republics.

**301-302. A SURVEY COURSE IN SPANISH LITERATURE. 3 hours.**

This course is required of Spanish majors.

**401. THE DRAMA OF THE "SIGLO DE ORO." 3 hours.**

Prerequisite: Three years of college Spanish or the equivalent.

A study of the best plays of Lope de Vega, Calderon, and other great dramatists of the Seventeenth Century.

**402. THE MODERN DRAMA. 3 hours.**

Prerequisite: Three years of college Spanish.

The best plays of Jacinto Benavente and other leading dramatists of the Nineteenth and Twentieth Centuries.

**421. THE EARLY NOVEL. 3 hours.**

Prerequisite: Three years of college Spanish.

The Spanish Novel of the Sixteenth and Seventeenth Centuries with particular attention to Cervantes and *Don Quixote*.

**422. THE MODERN NOVEL IN SPANISH AND SPANISH-AMERICA. 3 hours.**

Prerequisite: Three years of college Spanish.

**FRENCH**

See Foreign Languages, p. 53.



## GENERAL EDUCATION

### 121. RELIGIOUS LIFE. 1 hour.

Religious activities consisting of weekly chapel services, the Religion in Life series (Religious Emphasis Week), The Willson Lectures, and the Lyceum programs.

Required each semester of all regularly enrolled students, but does not count toward a major, nor in counting minimum load, or tuition cost. Should not be considered transferable to other schools.

Credit, but no grade, will be given if not less than two-thirds of the required student assemblies are attended. If less than the minimum number are attended, no matter what considerations have caused the non-attendance, a grade of "F" will be recorded, and an additional hour of credit will have to be earned in a subject approved by the Dean.

### 197, 198. FINE ARTS SURVEY. 3 hours.

A course designed to stimulate the esthetic interest of students in art, music, and the theatre; to encourage imaginatively their intelligent enjoyment and to suggest criteria for appreciation of these fine arts.

## INTERDIVISIONAL SEMINAR

### 402. GREAT ISSUES. 3 hours.

Prerequisite: Senior standing.

An interdivisional course designed to acquaint the student with some of the important issues which concern the college graduate of today. This course is required for graduation, and must be taken at Centenary College.

## GEOGRAPHY AND GEOLOGY

Department Head: Professor Hickcox

Assistant Professor Shaw, Mr. Sartin

The Geology Department provides training which will fit the student for employment in the geological departments of the oil companies or in service companies in the Ark-La-Tex areas, as well as to pursue graduate studies in the field of geology.

MAJOR: Thirty-five hours in geology including the following required courses: 101-102, 111-112, 151, 201-202, 203, 204 and 252. Chemistry 101-102, 111-112. Mathematics through calculus (Mathematics 106). Physics 101-102 or 201-202. At least six hours, chosen in consultation with the Head of the Geology Department, from the following courses in engineering sciences: 101, 102, 252, 253. Philosophy 201. Speech 200.

## COURSES—GEOGRAPHY

### 205. HUMAN GEOGRAPHY. 3 hours.

The earth's surface from the standpoint of its physical and cultural or human use regions: emphasis on the distribution of people and on man's changing relations with his habitat.

**206. GEOGRAPHY OF NORTH AMERICA. 3 hours.**

The geographical description of the area as a whole, followed by the study of the natural regions of each country separately and as a part of the whole. A discussion of the human use of various natural regions in the past and the prospect of their future use.

**COURSES—GEOLOGY****101-102. GENERAL GEOLOGY. 3-0-3 hours.**

Introduction lecture course covering physical geology the first semester and historical geology the second semester. Prerequisite to all other courses in the department. (Geology 101, or an equivalent course in elementary physical geology must be taken and credit obtained before any other geology course may be taken.)

**111-112. GENERAL GEOLOGY LABORATORY. 0-3-1 hours.**

Common rocks and minerals plus topographic maps the first semester. Fossils and geologic maps the second semester.

**151. REGIONAL GEOLOGY. 3-0-3 hours.**

A brief outline of the geology of the United States by the application of basic geologic principles and with an introduction to its geomorphology.

**201-202. PALEONTOLOGY. 2-3-3 hours.**

An introduction to the study of structure, mode of life, distribution, and development of the living forms of past ages.

**203. STRUCTURAL GEOLOGY. 2-3-3 hours.**

A study of the mechanics of folding and faulting, and other structural features, their geologic effects, and the solution of structural problems.

**204. MINERALOGY. 2-3-3 hours.**

A description of the common minerals of the earth's crust, with identification by physio-chemical means.

**233. PROBLEMS IN STRUCTURAL GEOLOGY. 1-2-2 hours.**

The application and solution of graphic problems in structural geology as related to studies in petroleum geology. (Prerequisite Geology 203.)

**251. ECONOMIC GEOLOGY. 3-0-3 hours.**

The genesis of ores and the structure and stratigraphy of mineral-producing ores, and the economic aspect of mineral deposits.

**252. ELEMENTARY PETROLOGY. 2-3-3 hours.**

The description and identification of the common rocks in the crust of the earth and a study of the theories of origin for the different types of rocks.

**301. GEOLOGY OF PETROLEUM. 3-0-3 hours.**

A course devoted to the study of the origin, migration, and accumulation of petroleum and a study of the oil and gas fields of the U. S. in general.

**302. GEOLOGY OF THE ARK-LA-TEX OIL AND GAS FIELDS. 3-0-3 hours.**

A detailed study of the various oil and gas fields of the Ark-La-Tex.

**303. WELL LOGGING. 3-0-3 hours.**

A study of the various methods of well-logging and their application to the general field of geology.

**304. SUBSURFACE PETROLOGY. 1-6-3 hours.**

The microscopic examination of well cuttings and cores, and the application of this acquired data to problems of correlation and stratigraphy.



**400. SEDIMENTATION. 3-0-3 hours. (Formerly 321)**

A discussion and study of the origin and environments of origin of sediments and their lithification.

**401. PRINCIPLES OF STRATIGRAPHY. 3-0-3 hours. (Formerly 322)**

The principles underlying the study of the stratigraphic units of the earth's crust throughout geologic time.

**405. INTRODUCTION TO GEOPHYSICAL PROSPECTING. 3-0-3 hours.**

Prerequisites: Mathematics 101, 105, or equivalent; Physics 101, 102; Senior standing.

An introduction to the various methods of geophysical prospecting for petroleum products. Includes the study of magnetic, gravitational, seismic, electrical and other methods.

**421-422. INTRODUCTION TO MICROPALEONTOLOGY. 1-6-3 hours.**

A study and identification of some of the important microfossils of the geologic column and methods of applying this data.

**440. GEOLOGY SEMINAR. 1-0-1 hours.**

Discussion groups on general phases of the whole field of geology and upon the history of science as a whole and geology in particular.

## GERMAN

See Foreign Languages, p. 53.

## GOVERNMENT

See History and Government, p. 62.

## HEALTH AND PHYSICAL EDUCATION

Acting Department Head: Assistant Professor Patterson  
Coach and Director Sigler, Mr. Gates, Mr. Mooty, Mrs. Smith.

The Department of Health and Physical Education offers courses and services in four areas:

1. A program of physical activities for all able-bodied students. This service constitutes a part of the required program, and includes conditioning exercises, vigorous individual and team sports, gymnastics, apparatus work, rhythmic activities and swimming.
2. A program for handicapped students adapted to the individual's physical condition.  
The student's condition is determined by a medical examination and frequently activities are assigned upon the recommendation of the physician.
3. A professional program for the preparation of teachers of health and physical education, athletic coaches, and workers in church, community and industrial recreation.

4. A program of intramural sports designed to give opportunity for competitive experience in athletics. Competition is offered in both individual and team sports.

#### ACTIVITY COURSES:

101, 102 Freshman Activity (Men)

115, 116 Freshman Activity (Women)

201, 202 }  
215, 216 } Co-educational activity for Sophomore and above:

Archery  
Beginning Tennis and Badminton  
Bowling  
Fencing  
Folk and Square Dance  
Golf  
Lifesaving  
Riflery  
Swimming

Satisfactory completion of four semester hours of courses listed above meets the minimum requirement in health and physical education for all degrees.

#### MAJOR:

##### MEN:

- A. Forty-two semester hours of course work in the Department of Health and Physical Education including 221, 222, 223, 224, 321, 323, 325 or 326, 334, 432, 424.
- B. Twelve hours of Biology 101, 111, 104, 114, and 217.
- C. Meet certification requirements.

##### WOMEN:

- A. Thirty-six semester hours of course work in the Department of Health and Physical Education including 221, 222, 223, 225, 321, 323, 332 or 333, 334, 341, 342, 423, 424.
- B. Twelve hours of Biology 101, 111, 104, 114, and 217.
- C. Meet certification requirements.

#### COURSES—THEORY

##### 221. FIRST AID. 2 hours.

Designed to develop competence in rendering immediate and temporary aid to a victim of an accident or sudden illness. Theoretical and practical approach. Covers both standard and advanced courses of the American National Red Cross with certificates granted for satisfactory work. Meets three hours each week.

##### 222. TECHNIQUES IN STUNTS AND TUMBLING. 2 hours.

Instruction in techniques and practice in teaching of stunts and tumbling. Safety factors stressed.



**223. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. 3 hours.**

Prerequisite: Sophomore standing.

An introduction course designed to acquaint students with the biological, psychological and sociological foundations of physical education, and to provide them with historical reference sufficient for intelligent interpretation and evaluation of current practices in the field.

**224. TECHNIQUES OF ATHLETIC CONDITIONING AND TRAINING. 3 hours.**

Prerequisite: Sophomore standing.

A study of the relationship between physical condition and successful participation in sports activities. Emphasis is given to the selection and administration of exercises, with due regard for the safety and welfare of those concerned, and to the prevention, recognition, care and treatment of athletic injuries.

**225. INTRAMURAL SPORTS TECHNIQUES. 3 hours.**

Prerequisite: Sophomore standing.

A study of the methods commonly used in organizing and administering a program of intramural sports in public schools. Emphasis is given to classification for competition, rules and regulations, league play, statistics, arrangements, and officiating.

**229. SAFETY EDUCATION. 2 hours.**

A study of accidents in the home, in school, in traffic, and in industry. Emphasis is given to methods of prevention and to problems of public education.

**239. MATERIALS AND METHODS OF PHYSICAL EDUCATION FOR THE ELEMENTARY GRADES. 2 hours.**

Prerequisite: Sophomore standing.

Basic materials in games, stunts, self-testing activities, calisthenics and rhythms. Emphasis is placed upon procedures for presentation of activities in the elementary school.

**321. PERSONAL AND COMMUNITY HEALTH. 3 hours.**

Prerequisite: Sophomore standing.

A study of factors influencing and determining personal health, and an introduction to methods used in preventing disease in individuals and in communities.

**323. KINESIOLOGY. 3 hours.**

Prerequisite: Junior standing and Biology 217.

A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological action of joints and muscles.

**325. TECHNIQUES OF COACHING FOOTBALL AND BASKETBALL. 3 hours.**

Prerequisite: Junior standing.

**326. TECHNIQUES OF COACHING BASEBALL AND TRACK. 3 hours.**

Prerequisite: Junior standing.

**330. TESTS AND MEASUREMENTS. 3 hours.**

Prerequisite: Junior standing.

A study of tests designed to measure health, physical fitness, strength, motor ability, game skills, and use of the results of the tests.

**332. SWIMMING TECHNIQUES. 2 hours.**

A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior life saving and water safety instructor certificates by the American National Red Cross may be obtained.

**333. FUNDAMENTAL RHYTHMS. 2 hours.**

Analytical and practical study of basic body movements and their application to a program of rhythms and dance.

**334. FOLK AND SQUARE DANCE TECHNIQUES. 2 hours.**

Theory and practice of folk and square dance. A bibliography of materials and music given. Instruction in teaching and calling dances.

**341. THEORY AND PRACTICE OF TEAM SPORTS FOR WOMEN. 3 hours.**

Prerequisite: Junior standing.

Analysis of techniques, progression in presentation, practice, lead-up activities, and knowledge of official rules.

**342. THEORY AND PRACTICE OF INDIVIDUAL SPORTS. 3 hours.**

Prerequisite: Junior standing.

A theoretical and practical study of skills adapted for use in secondary schools.

**423. ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION. 3 hours.**

Prerequisite: Junior standing.

A study of principles underlying the organization and administration of programs of health and physical education in modern schools.

**424. SCHOOL HEALTH. 3 hours.**

A study of health problems of school children; detection and correction of defects; prevention and control of communicable diseases. Environmental health factors are considered.

**428. METHODS IN TEACHING PHYSICAL EDUCATION. 3 hours.**

Prerequisite: Junior standing.

A course designed for prospective high school teachers of health and physical education.

**431. ADMINISTRATION OF SCHOOL AND COMMUNITY RECREATION. 3 hours.**

Prerequisite: Junior standing.

A study of functions of recreation in society. Emphasis is given to organization and financing of recreation programs in communities, schools, and industrial plants.

## HISTORY AND GOVERNMENT

Department Head: Professor Vogel

Professor Davidson, Professor Lowry, Professor Overdyke, Mr. Kissling

The courses offered by the Department of History and Government are designed to serve the following purposes: first, to make an essential contribution to a liberal arts education by providing the general student with a comprehensive and integrated knowledge of man's history; second, to provide the training necessary for more advanced study in history and political science; third, to provide the practical knowledge of historical and political developments which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, and business.

**MAJOR IN HISTORY:** Twenty-four semester hours in history, of which not less than 12 must be numbered 300 or above, plus History



441, six hours in economics, six hours in government, and six hours in a related subject approved by the major advisor. Not less than 30 hours of work numbered 300 or above must be presented for graduation.

Students majoring in history are expected to offer either French or German in fulfillment of the foreign language requirement unless otherwise specified by the major adviser.

MAJOR IN GOVERNMENT: See department head.

## COURSES—HISTORY

### 101, 102. SURVEY OF EUROPEAN HISTORY. 3 hours.

A rapid survey for freshman students who wish to familiarize themselves with the background of present day Europe.

### 201, 202. HISTORY OF ENGLAND AND GREAT BRITAIN. 3 hours.

Prerequisite: Sophomore standing.

A general survey of the history of England and the British Empire to the present time.

### 203-204. CIVILIZATION PAST AND PRESENT. 3 hours.

The first semester is intended as a basic course, to give perspective; to trace the development of political, economic, social, religious, and cultural institutions and ideas. All phases of man's accomplishments are related to his history from the earliest beginnings to the end of the Middle Ages. The second semester continues the story of man's development from the Middle Ages until the present; to show how modern civilization with its present-day problems and conditions has evolved.

### 205, 206. HISTORY OF THE UNITED STATES. 3 hours.

A comprehensive survey of the major developments in American History from the Colonial period to the present.

### 207. HISTORY OF LOUISIANA. 3 hours.

Prerequisite: Sophomore standing.

A rapid survey of French and Spanish colonization; development of the state politically, socially, and economically, to the present time.

### 209, 210. HISTORY OF FAR EAST. 3 hours.

Prerequisite: Sophomore standing.

A survey of the history of China, Japan, Southeast Asia and India, with emphasis on philosophy, religion, and socio-economic problems. The second half deals with the changing Far East during the past century.

### 211. HISTORY OF CHINA AND JAPAN IN MODERN TIMES. 3 hours.

Prerequisite: Sophomore standing.

Development of the past century beginning with the "opening" of China and Japan. Modernization, revolutions, the two world wars and contemporary problems will be discussed.

### 303, 304. HISTORY OF RUSSIA. 3 hours.

This course is offered in recognition of the emergence of Russia as a world power, and is designed to acquaint the student with the essential facts in Russian history. The first semester deals with the birth of the Russian state (860) to the Russian Revolution of 1917. The second semester is a detailed study of Russia under soviet rule from the Revolution of 1917 to the present.

**309. MODERN EUROPEAN HISTORY. 3 hours.**

Prerequisite: Junior standing.

A survey of Europe from 1815 to 1914. It includes such topics as the Age of Liberalism, Unification of Germany and Italy, and the Age of Imperialism.

**312. HISTORY OF THE ANTE-BELLUM SOUTH. 3 hours.**

Prerequisite: Junior standing.

Social and economic characteristics of the deep South, with emphasis on the plantation system. Field trips are made to adjacent areas.

**313, 314. CONTEMPORARY EUROPE SINCE 1914. 3 hours.**

Prerequisite: Junior standing.

A survey of Europe since 1914, considering two World Wars, events leading to World War II, and problems created by the Atomic Age.

**321, 322. AMERICAN INTELLECTUAL HISTORY. 3 hours.**

Prerequisite: Junior standing.

The evolution of American intellectual and cultural life from colonial times to the present, as expressed in political and economic thought, theology, philosophy, and literature, with reference to the interaction between ideas and social structures.

**341, 342. HISTORY OF THE AMERICAS. 3 hours.**

Prerequisite: Junior standing.

The first semester deals with Pre-Columbian Civilization of North and South

America. The English, French, and Spanish Colonization compared. Economic, social, cultural, and political ties of the two sections compared through the period of Spanish Revolutions. The second semester deals with the inter-relationship of the two American continents. Common and contrasting problems and interests of each.

**343. HISTORY OF SOUTHEAST ASIA. 3 hours.**

Prerequisite: Junior standing.

A survey history of this strategic area from its ancient beginnings to the present time.

**344. THE FAR EAST SINCE 1945. 3 hours.**

Prerequisite: Junior standing.

An intensive course on the new Far East that emerged from World War II with emphasis on nationalism, communism, and the changing relations between East and West.

**441. SEMINAR IN HISTORY. 1 or 2 hours.**

Prerequisite: History major with junior standing. (Offered in fall semester of odd years.) A study of various schools of historical scholarship and an introduction to the elements of research.

**COURSES—GOVERNMENT****201. AMERICAN GOVERNMENT. 3 hours.**

Prerequisite: Sophomore standing.

Constitutional principles and agencies of the federal government and their relationships to the states and individual civil rights, citizenship, political parties; conduct of foreign relations and the government of our foreign possessions.

**205. POLITICAL THEORY. 3 hours.**

Prerequisite: Sophomore standing.

An introductory study of the writings of a select group of political thinkers from Plato to the present.



**206, 207. INTERNATIONAL RELATIONS. 3 hours.**

Prerequisite: Sophomore standing.

A survey of current world problems, with emphasis upon world organizations, power politics, international law, geopolitics, and peace organizations.

**210. STATE AND MUNICIPAL GOVERNMENT. 3 hours.**

Prerequisite: Sophomore standing.

A survey of problems, functions, and weakness in state and municipal governments with emphasis upon political machines, types of municipal government, local planning, and study of government in Louisiana.

**303. CONSTITUTIONAL HISTORY OF THE UNITED STATES. 3 hours.**

Prerequisite: Junior standing.

A study of the development of Constitutional principles and practices in American history.

**304. LEADING CASES IN CONSTITUTIONAL HISTORY. 3 hours.**

Prerequisite: Junior standing.

Study and analysis of the most important decisions of the United States Supreme Court.

**305. THE GOVERNMENT OF EUROPE. 3 hours.**

Prerequisite: Sophomore standing.

Comparative study of cabinet systems of government with emphasis on the development of England, and the theories and functioning of political communism, fascism and nazism in Europe, including post war developments.

**306. COMPARATIVE FOREIGN POLICIES. 3 hours.**

An introductory study of the traditional aims and of the conduct and formation of foreign policies of the major powers.

**307. THE EUROPEAN COMMUNITY. 3 hours.**

A study of Western Europe's efforts to achieve cooperation and co-existence, with emphasis on the Common Market and related regional organizations.

**309, 310. HISTORY OF AMERICAN FOREIGN RELATIONS. 3 hours.**

Prerequisite: Junior standing. (May be counted as history credit.)

A diplomatic history of the American people, with emphasis on the influence of public opinion in determining foreign policy.

**311. POLITICAL PARTIES. 3 hours.**

Prerequisite: Sophomore standing.

A survey of the history, functions, and weaknesses of the political party system in the United States.

**312. GOVERNMENTS OF THE FAR EAST. 3 hours.**

Prerequisite: Junior standing.

Governments of major Far Eastern countries, their institutional developments and theoretical bases.

**323-324. INTERNATIONAL LAW. 3 hours.**

A study of the development and foundations of international law, the laws of war, peace and neutrality, and a study of the laws of treaties with emphasis on law enforcement, state responsibilities, diplomatic immunities, and war crimes.

**402. GREAT ISSUES. 3 hours.**

Same as General Education 402.

May be used only to meet the social science requirement of the music education major.

## LATIN

See Foreign Languages, p. 53.

## MATHEMATICS

Department Head: Professor Carlton

Assistant Professor Self, Assistant Professor Speairs, Mr. Nicholson, Mr. Treece, Mr. Brantly, Mr. Danvers, Mr. Hollingsworth, Mr. Koonce, Mr. McKinney, Mr. Scully, Mrs. Simon, Mrs. Treece.

The Department of Mathematics aims to contribute to the student's liberal education by showing the role which mathematics has played and is playing in the development of civilization, and by giving him the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering, and also to those in economics and commerce. The mathematics program is planned so that a student majoring in the field may choose any one of a number of directions in which to continue after graduation, including the teaching profession, work in industry, the computer mathematics field, further training toward actuarial work, or the combination of mathematics with other scientific training, as well as graduate work in pure mathematics.

High school mathematics through trigonometry is the suggested background for an incoming freshman, with Mathematics 101 offered for those students not able to obtain this background before entering college.

**MAJOR:** Students may receive a B.A. or B.S. degree with a major in mathematics. For either degree a minimum of twenty-four semester hours of mathematics, in courses numbered 201 or higher, is required, including 303, 402, and either 401, 404, or 406. At least thirty semester hours of courses numbered 300 or higher are required. At least twelve of these thirty hours must be taken outside the Department of Mathematics. The basic requirement of eight hours of laboratory science (biology, chemistry, physics, or geology) must be satisfied.

### COURSES

**101. ALGEBRA AND PLANE TRIGONOMETRY. 3 hours.**

Introduction to set theory. Logical development of number system. The notions of variable and function (algebraic, trigonometric, exponential, logarithmic) and their geometric representation. Inverse functions. Equations and identities.

**104. MATHEMATICS OF FINANCE. 3 hours.**

(Open for credit to commerce majors only.)

Application of the theory of compound interest, annuities, amortization of debts, the evaluation of bonds, the accumulation of funds in building and loan associations, depreciation, and the elements of legal reserve life insurance.

**105. INTRODUCTION TO FINITE MATHEMATICS. 3 hours.**

Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications.



106. ANALYTIC GEOMETRY AND CALCULUS I. 3 hours.  
Coordinate systems, straight lines, functions, and graphs. Limits, derivatives of algebraic functions, applications of the derivative.
201. ANALYTIC GEOMETRY AND CALCULUS II. 3 hours.  
Prerequisite: Mathematics 106.  
Conic sections and other algebraic curves. Translation and rotation of axes. The definite integral, and applications. Derivatives and integrals of exponential, logarithmic, trigonometric, and inverse trigonometric functions.
202. ANALYTIC GEOMETRY AND CALCULUS III. 3 hours.  
Prerequisite: Mathematics 201.  
The indefinite integral. Techniques of integration, integration by parts, and applications of the calculus. Basic properties of continuous and differentiable functions. Infinite series.
303. ANALYTIC GEOMETRY AND CALCULUS IV. 3 hours.  
Prerequisite: Mathematics 202.  
Parametric and polar equations. Introduction to vector analysis. Solid analytic geometry. Partial differentiations. Multiple integration.
304. FOUNDATIONS OF GEOMETRY. 3 hours.  
Prerequisite: Consent of instructor.  
Advanced Euclidean Geometry, with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry, and n-dimensional geometry.
305. MATHEMATICAL STATISTICS. 3 hours.  
Prerequisite: Mathematics 201.  
Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit.
306. MODERN ALGEBRA I. 3 hours.  
Prerequisite: Mathematics 201.  
Basic properties of groups, rings, and fields.
307. ELEMENTS OF MATHEMATICAL THEORY. 3 hours.  
Topics from number theory, geometry, algebra, and the history of mathematics. The course is designed primarily for students majoring in elementary education.
- 309-310. SEMINAR FOR SECONDARY TEACHERS OF MATHEMATICS.  
1-3 hours.  
Topics from Euclidean geometry, non-Euclidean geometry, analytic geometry. Topics in algebra, sets, matrices.
401. MODERN ALGEBRA II. 3 hours.  
Prerequisite: Mathematics 306.  
Brief survey of some linear algebras. Particular emphasis on theory of matrices. Vector spaces. Transformations. Boolean algebra.
402. DIFFERENTIAL EQUATIONS. 3 hours.  
Prerequisite: Mathematics 303.  
Common types of ordinary differential equations, especially of the first and second order. Problems which lead to differential equations and the standard method of their solution.
404. VECTOR ANALYSIS. 3 hours.  
Prerequisite: Mathematics 303.  
A basic course in vectors. Topics include vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature.

**405. NUMERICAL ANALYSIS. 3 hours.**

Prerequisite: Mathematics 402.

Numerical differentiation and integration. Solutions of numerical equations. Numerical solutions of ordinary and partial differential equations. Various methods of interpolation.

**406. ADVANCED CALCULUS. 3 hours.**

Rigorous treatment of elementary function theory from axioms of the real number system. Riemann integral, limits and continuity, differentiation, sequences, uniform convergence, and power series.

**408. INDEPENDENT STUDY IN MATHEMATICS. 1-3 hours.**

Open to advanced students in mathematics with the consent of the instructor.

One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

## SCHOOL OF MUSIC

Director: Associate Professor Beasley

Associate Professor Causey, Associate Professor Harlan, Associate Professor Voran, Assistant Professor Dean, Assistant Professor Perkins, Assistant Professor Teague, Mr. Caughey, Mr. Fisher, Mr. Jennings, Mr. Kozak, Miss LaGrone, Mr. Mason, Mr. Roby, Mr. Shenaut, Mr. Smith.

The School of Music is a member of the National Association of Schools of Music. The requirements for entrance and for graduation as set forth in this catalog are in accordance with the published regulations of the National Association of Schools of Music. It accordingly offers the degree of Bachelor of Music in Applied Music or in Music Education or the degree of Bachelor of Arts with a major in Applied Music.

### ADMISSION

Requirements for admission for the Degree of Bachelor of Music in Applied Music are the same as for admission to candidacy for other degrees. Graduation from high school and 15 units are required. In addition, the student is required to pass an examination in his major instrument to determine preparation for college-level work. It is suggested that prospective students think carefully about the performance requirements for the applied music degree, so that each will enter with the understanding that much time and effort are involved in the development of adequate technical facility, repertoire, and interpretation.

Placement auditions are held during the freshman orientation period. Freshmen and transfer students should be prepared to play at least two selections of contrasting style at this hearing.

Special students are admitted without reference to entrance requirements, but no credit toward a degree is allowed until the entrance requirements have been fully met.



## ADVANCED STANDING

Candidates for the degree of Bachelor of Music who desire advanced standing must present a complete transcript of the work done, not only in their major field but also in all college work completed. All applicants for advanced standing will be examined in their major instrument and in music theory.

## COURSES OF STUDY PUBLIC SCHOOL MUSIC

The course in public school music leading to a degree of Bachelor of Music in Music Education is designed to meet the state requirements for teacher certification in the public school systems of Louisiana, Arkansas and Texas. Students must confer with the Director of the School of Music and the Head of the Department of Education concerning the requirements in the various states.

## APPLIED MUSIC

One half-hour lesson per week in piano, voice, organ, or any orchestral instrument, together with six hours of practice (average 1 hour per day), represents one semester credit in applied music. Two half-hour lessons per week, together with 18 hours of practice (average 3 hours per day), represent three semester hour credits.

## PIANO

The course is so arranged as to meet the needs of students whose major interests lie in public performance, or in the study of the instrument as an accompaniment to the voice, violin, violoncello, etc., or as a necessary asset in theory, public school music, or organ.

## REED AND BRASS INSTRUMENTS

Instruction is provided in all the instruments of the orchestra and band.

## STRINGED INSTRUMENTS

Violin, viola, cello and string bass courses are offered which not only develop the ability of the student as a soloist but also in ensemble playing.

## ORGAN

The course is designed to meet the needs of students whose interest lies in church organ work. Those majoring in organ must demonstrate proficiency on the piano equivalent to the requirements of the freshman piano examinations as a pre-requisite to admission to this course.

## VOICE

The instruction in individual lessons is adapted to the ability and previous training of the student. The course, primarily planned for adult beginners, is designed to develop principles of tone production, correct diction, breathing, etc. It includes a study of repertoire of general song literature, arias from opera and oratorio in English and in foreign languages.

## PRACTICE

Practice pianos and organs are available at the Music Building.

## ENSEMBLES

Ample opportunity is provided for ensemble work, an essential phase of musical development. While all students of applied music are required to enroll for these groups and to participate in public performances, those from other departments of the college are encouraged to take part in them also.

The choral and instrumental ensembles have frequent opportunities for public performance.

## BACHELOR OF ARTS DEGREE

## Major in Music

Twenty-two semester hours in theory.

Eighteen semester hours in applied music.

Four hours of Music History and Literature, 141-142.

Six semester hours from Music 341-342, 441-442.

Present a half-hour recital of representative compositions.

Meet B.A. requirements.

No minor required.

Requirements for the Bachelor of Music Degree in Music Education are prescribed below and on pp. 109-111:

## BACHELOR OF MUSIC DEGREE

## Music Education Major

## Vocal Music

## FRESHMAN:

Voice, 181-182 .....	3-3
Music Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 .....	1-1
Introduction to Music History and Literature, 141-142 .....	2-2
Ensemble (Choir) .....	1-1
English, 101-102 .....	3-3
Math .....	3-3
Physical Education .....	1-1

## SOPHOMORE:

Voice, 281-282 .....	3-3
Music Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 .....	1-1
Analysis of Musical Forms, 215-216 ..	3-3
Piano, 181 .....	3
Ensemble (Choir) .....	1-1
English .....	3-3
Education, 102 .....	3
Physical Education .....	1-1



## JUNIOR:

Voice, 381-382 .....	3-3
Music Education, 321 .....	1
Music History, 341-342 .....	3-3
Choral Conducting, 327-328 .....	1-1
Education, 200 .....	3
Psychology, 302 .....	3
Piano, 182, 281 .....	3-3
Science .....	4
Social Science .....	3

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 34

## SENIOR:

Voice Teaching Methods, 435-436..	2-2
Piano, 282 .....	3
Practice Teaching, 421-423 .....	2-2
Social Science .....	3
Religion .....	3-3
Science .....	4-4
General Education, 402 .....	3
Government, 402 .....	3
American History .....	3
Education, 410 .....	1

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 38

## BACHELOR OF MUSIC DEGREE

## Music Education Major

## Instrumental Music

## FRESHMAN:

Major Applied, 181-182 .....	3-3
Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114.....	1-1
Intro. to Music History and Literature, 141-142 .....	2-2
Ensemble (Band or Orchestra)...	1
Piano, 171-172 .....	1-1
English, 101-102 .....	3-3
Math .....	3-3
Physical Education .....	1-1

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 35

## SOPHOMORE:

Major Applied, 281-282 .....	3-3
Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 .....	1-1
Analysis of Musical Forms, 215-216 .	3-3
Education, 102 .....	3
Piano, 271-272 .....	1-1
English .....	3-3
Science .....	4
Physical Education .....	1-1

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 37

## JUNIOR:

Major Applied, 381-382 .....	3-3
Music Education, 321 .....	1
Music History, 341-342 .....	3-3
Minor Instrument, 331-333 .....	2-2
Education, 200 .....	3
Psychology, 302 .....	3
American History .....	3
Orchestration, 411-412 .....	2-2
Conducting, 325-326 .....	1-1
Ensemble (Band or Orchestra)...	1-1
Social Science .....	3

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 37

## SENIOR:

Methods, 437-438 or 439-440 .....	2-2
Practice Teaching, 421-423 .....	2-2
Ensemble (Band or Orchestra)...	1
Minor Instrument, 335-337 .....	2-2
Social Science .....	3-3
Religion .....	3-3
Science .....	4-4
General Education, 402 .....	3
Education, 410 .....	1

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 37

Out of the 12 hours' total requirement in science, at least two semesters of a laboratory science must be taken. Also, at least one semester of biology is required.

The above curricula qualify the student for a certificate in vocal or instrumental music. Students desiring a combined vocal and instrumental certificate must take an additional twenty hours of applied music outside their major field and four more hours of appropriate methods. This necessitates either a fifth year of study or summer work. Minor instrument requirements may be satisfied either in the courses shown above or in private lessons.

Students seeking teacher certification must register with the Department of Education at Centenary College during the sophomore year and pass Admissions Committee.

If piano proficiency examination is not passed at the end of four semesters, additional piano must be taken.

### BACHELOR OF MUSIC DEGREE

#### Organ Major

##### FRESHMAN:

Major Instrument, 181-182 .....	3-3
Music Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 ....	1-1
Introduction to Music	
History & Literature, 141-142..	2-2
English, 101-102 .....	3-3
Physical Education .....	1-1
Foreign Language .....	4-4

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 34

##### SOPHOMORE:

Major Instrument, 481-482 .....	3-3
Music Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 ....	1-1
Analysis of Musical Forms, 215-216.	3-3
English .....	3-3
Physical Education .....	1-1
Academic Elective .....	3

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 31

##### JUNIOR:

Major Instrument, 381-382 .....	3-3
Counterpoint, 311-312 .....	2-2
Music History, 341-342 .....	3-3
Chamber Music, 157-158 .....	1-1
Conducting, 327-328 .....	1-1
Accompanying and	
Improvisation, 315-316 .....	2-2
Religion .....	3-3

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 30

##### SENIOR:

Major Instrument, 481-482 .....	3-3
Music History, 441 or 442.....	3
Contemporary Music, 415-416 ...	2-2
Organ Literature, 463-464 .....	2-2
Ensemble (Band, Orchestra,	
Choir, Opera Workshop).....	1-1
Organ Teaching Methods, 431-432.	2-2
Academic Electives .....	4
General Education, 402 .....	3

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 30

If a sophomore foreign language is taken (six hours' credit) instead of a freshman foreign language (eight hours' credit), two additional hours of academic electives are required.

Junior Recital—30 minutes, and Senior Recital—one hour.

Organ students will be required to demonstrate sufficient proficiency at the piano before beginning the study of the organ. Organ majors will continue to study piano until they meet with the approval of the faculty.

### BACHELOR OF MUSIC DEGREE

#### Orchestral Instrument Major

##### FRESHMAN:

Major Instrument, 181-182 .....	3-3
Piano, 171-172 .....	1-1
Music Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 ....	1-1
Introduction to Music	
History & Literature, 141-142..	2-2
Ensemble (Band or Orchestra) ..	1-1
English, 101-102 .....	3-3
Physical Education .....	1-1

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 30

##### SOPHOMORE:

Major Instrument, 281-282 .....	3-3
Piano, 271-272 .....	1-1
Music Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 ....	1-1
Analysis of Musical Forms, 215-216 .	3-3
English .....	3-3
Ensemble (Band or Orchestra) ..	1-1
Physical Education .....	1-1

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 32



## JUNIOR:

Major Instrument, 381-382 .....	3-3
Counterpoint, 311-312 .....	2-2
Music History, 341-342 .....	3-3
Chamber Music, 157-158 .....	1-1
Orchestra Conducting, 325-326 ...	1-1
Religion .....	3-3
Foreign Language .....	4-4

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 34

## SENIOR:

Major Instrument, 481-482 .....	3-3
Music History, 441-442 .....	3-3
Orchestration, 411-412 .....	2-2
Band or Orchestra	
Methods, 437-438 or 439-440 ..	2-2
General Education, 402 .....	3
Academic Electives .....	3-4

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If piano proficiency exam is not passed at end of 4 semesters, additional piano must be taken.

Junior Recital—30 minutes, and Senior Recital—1 hour.

String majors will take Music 467-468 (String Literature) in the senior year in addition to the courses listed above.

If a sophomore foreign language (six hours' credit) is taken instead of a freshman foreign language (eight hours' credit), two additional hours of academic electives are required.

## BACHELOR OF MUSIC DEGREE

## Voice Major

## FRESHMAN:

Voice, 181-182 .....	3-3
Piano, 171-172 .....	1-1
Music Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 ....	1-1
Introduction to Music	
History & Literature, 141-142..	2-2
Ensemble (Choir) .....	1-1
English, 101-102 .....	3-3
Physical Education .....	1-1

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## SOPHOMORE:

Voice, 281-282 .....	3-3
Piano, 271-272 .....	1-1
Music Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 ....	1-1
Analysis of Musical Forms, 215-216 .	3-3
Ensemble (Choir) .....	1-1
English .....	3-3
Physical Education .....	1-1

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 32

## JUNIOR:

Voice, 381-382 .....	3-3
Counterpoint, 311-312 .....	2-2
Music History, 341-342 .....	3-3
Choral Conducting, 327-328 ....	1-1
Foreign Language .....	8
Religion .....	6

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 32

## SENIOR:

Voice, 481-482 .....	3-3
Music History, 441-442 .....	3-3
Voice Teaching	
Methods, 435-436 .....	2-2
Vocal Literature, 465-466 .....	2-2
Foreign Language .....	3-3
General Education, 402 .....	3
Academic Electives .....	3

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 32

If piano proficiency exam is not passed at end of 4 semesters, additional piano must be taken.

Junior Recital—30 minutes and Senior Recital—1 hour.

## BACHELOR OF MUSIC DEGREE

## Music Theory and Composition Majors

## FRESHMAN:

Piano, 181-182 .....	3-3
Music Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 ....	1-1
Introduction to Music	
History & Literature, 141-142..	2-2
Minor Instrument, 171-172 .....	1-1
Ensemble (Band, Orchestra, Choir, Opera Workshop) .....	1-1
English, 101-102 .....	3-3
Physical Education .....	1-1

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## SOPHOMORE:

Piano, 281-282 .....	3-3
Music Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 .....	1-1
Analysis of Musical Forms, 215-216 .	3-3
Minor Instrument .....	1-1
Ensemble (Band, Orchestra, Choir, Opera Workshop) .....	1-1
English .....	3-3
Physical Education .....	1-1

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 32

## JUNIOR:

Counterpoint, 311-312 .....	2-2
Composition, 313-314 .....	2-2
Music History, 341-342 .....	3-3
Chamber Music, 157-158 .....	1-1
Minor Instrument, 331-333 .....	2-2
Conducting, 325-326 or 327-328..	1-1
Religion .....	3-3
German or French .....	8

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 36

## SENIOR:

Advanced Composition, 413-414..	2-2
Music History, 441-442 .....	3-3
Contemporary Music, 415-416 ..	2-2
Orchestration, 411-412 .....	2-2
Minor Instrument, 335-337 .....	2-2
German or French .....	6
General Education, 402 .....	3

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 31

Senior thesis composition in large form must be approved by faculty and performed in public.

Theory and composition majors must demonstrate proficiency in at least one instrument.

## COURSES:

## THEORY OF MUSIC

011-012. FUNDAMENTALS OF MUSIC. No Credit.

For students who do not meet entrance requirements for music theory.

111-112. MUSIC THEORY. 3 hours. Meets four times weekly.

Ear training, sight singing, dictation, part-writing and analysis.

113-114. KEYBOARD HARMONY. 1 hour. Meets twice weekly.

Practical application of principles studied in music theory. Must be taken with Music 111-112.

211-212. MUSIC THEORY. 3 hours. Meets four times weekly.

Continuation of Music 111-112.

213-214. KEYBOARD HARMONY. 1 hour. Meets twice weekly.

Continuation of Music 113-114. Must be taken with Music 211-212.

215-216. ANALYSIS OF MUSICAL FORMS. 3 hours.

The elements of musical form and harmonic analysis of standard works.



**311-312. COUNTERPOINT. 2 hours.**

Prerequisite: Music 211-212.

A study of the polyphonic writing of the 18th century.

**313-314. COMPOSITION. 2 hours.**

Prerequisite: Music 211-212.

Writing in the smaller forms.

**315-316. ACCOMPANYING AND IMPROVISATION. 2 hours.**

Required for organ majors of junior standing.

**411. ORCHESTRATION. 2 hours.**

Scoring for orchestra; analysis of musical scores.

**412. ORCHESTRATION. 2 hours.**

Scoring for band; analysis of musical scores.

**413-414. ADVANCED COMPOSITION. 2 hours.**

Prerequisite: Music 313-314.

Writing in the larger forms. Offered on demand.

**415-416. CONTEMPORARY MUSIC. 2 hours.**

Prerequisite: Music 215-216.

Analysis of styles and techniques beginning with impressionism.

**PUBLIC SCHOOL MUSIC****121-122. MUSIC EDUCATION. 3 hours.**

Theory of music and elementary music teaching methods for the general classroom teacher. For non-music majors.

**321. MUSIC EDUCATION. 1 hour.**

Methods of teaching music in the elementary grades.

**325-326. CONDUCTING. BAND AND ORCHESTRA. 1 hour.****327-328. CONDUCTING. CHORAL. 1 hour.**

Choral conducting for both school and church musicians.

**421. ELEMENTARY OBSERVATION AND PRACTICE TEACHING. 2 hours.**

Prerequisite: Music 321.

**423. HIGH SCHOOL OBSERVATION AND PRACTICE TEACHING. 2 hours.**

Prerequisite: Music 323.

**PEDAGOGY****431-432. ORGAN TEACHING METHODS. 2 hours.****433-434. PIANO TEACHING METHODS. 2 hours.****435-436. VOICE TEACHING METHODS. 2 hours.****437-438. BAND METHODS. 2 hours.**

Training and management of the school band. Study of band literature.

**439-440. ORCHESTRA METHODS. 2 hours.**

Training and management of school orchestra. Study of orchestral literature.

## MUSIC HISTORY AND APPRECIATION

- 141-142. INTRODUCTION TO HISTORY AND LITERATURE OF MUSIC. 2 hours.  
Music Majors.
- 143-144. MUSIC APPRECIATION. 1 hour.  
A cultural course for the general college student.
- 341-342. MUSIC HISTORY. 3 hours.  
Music 341: Music before 1600.  
Music 342: 1600-1800.
343. HYMNOLOGY. 2 hours.  
First semester. A survey of Protestant hymns. For majors in church music and pre-ministerial students.
344. CHURCH MUSIC. 2 hours.  
Second semester. A historical survey of religious music. For majors in church music and pre-ministerial students.
- 441-442. MUSIC HISTORY. 3 hours.  
Music 441: 1800-1900.  
Music 442: 1900 to the present.

## ENSEMBLE

- 151-152. BAND. 1 hour.
- 153-154. CHOIR. 1 hour.
- 155-156. ORCHESTRA. 1 hour.
- 157-158. CHAMBER MUSIC. 1 hour.
- 159-160. OPERA WORKSHOP. 1 hour.

## REPERTOIRE AND INTERPRETATION

- 461-462. PIANO LITERATURE. 2 hours.
- 463-464. ORGAN LITERATURE. 2 hours.
- 465-466. VOICE LITERATURE. 2 hours.
- 467-468. STRING LITERATURE. 2 hours.

## APPLIED MUSIC

- 171-172. MINOR APPLIED INSTRUMENT. 1 hour.
- 271-272. MINOR APPLIED INSTRUMENT. 1 hour.
- 371-372. MINOR APPLIED INSTRUMENT. 1 hour.
- 471-472. MINOR APPLIED INSTRUMENT. 1 hour.
- 181-182. MAJOR APPLIED INSTRUMENT. 3 hours.
- 281-282. MAJOR APPLIED INSTRUMENT. 3 hours.
- 381-382. MAJOR APPLIED INSTRUMENT. 3 hours.
- 481-482. MAJOR APPLIED INSTRUMENT. 3 hours.

At the convenience of the department, the following courses may be substituted for private study:

331. PERCUSSION CLASS. 2 hours.
333. STRING CLASS. 2 hours.
335. BRASS CLASS. 2 hours.
337. WOODWIND CLASS. 2 hours.



## PHILOSOPHY

Department Head: Professor Fleming

Professor Davidson, Professor Pomeroy, Associate Professor Nickel

The courses in philosophy are designed to acquaint the student with systems of thought about life and reality, and to help him understand the function of intelligence in life.

### MAJOR:

- (1) Twenty-four hours, including 201, 202, 301, and 302.
- (2) At least nine hours of mathematics, and one year of Latin. (Latin may be used to meet the language requirement for graduation, but French or German is preferable.)
- (3) Approval of course of study by departmental advisor.

### COURSES:

#### 201. LOGIC. 3 hours.

Prerequisite: Sophomore standing.

An elementary course in the principles of reasoning and the organization of knowledge.

#### 202. ETHICS. 3 hours. (Formerly 304)

Prerequisite: Sophomore standing.

An introduction to ethics. A survey is made of several ancient and modern philosophies of ethics. Students are led to consider, "By what principles do I attempt to do what is right and avoid doing what is wrong," with the aim of constructing each his own philosophy.

#### 203. THE NATURE OF PHILOSOPHY. 3 hours.

Prerequisite: Sophomore standing.

The course is designed to help the student realize how comprehensive the field of philosophy is, and to help him see that philosophy is related to daily life.

#### 204. ESTHETICS. 3 hours.

Prerequisite: Sophomore standing.

A philosophical study of the creative impulse, the art object, and the esthetic experience.

#### 301. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. 3 hours.

Prerequisite: Junior standing.

An examination of the major philosophical systems from the early Greeks to the seventeenth century.

#### 302. HISTORY OF MODERN PHILOSOPHY. 3 hours.

Prerequisite: Junior standing.

An examination of the major philosophical systems from the seventeenth century to the present.

#### 303. PHILOSOPHY OF RELIGION. 3 hours.

Same as Religion 303.

#### 306. METAPHYSICS. 3 hours.

A study of the basic categories of experience and ultimate reality.

#### 401. DIRECTED STUDY IN PHILOSOPHY. 1-3 hours.

Prerequisite: Senior standing, or permission of instructor.

#### 402. GREAT ISSUES. 3 hours.

Same as General Education 402.

**PHYSICAL EDUCATION**

See Health and Physical Education, p. 59.

**PHYSICS AND ENGINEERING SCIENCES**

Department Head: Professor Raub

Associate Professor Parker, Assistant Professor Krajner, Mr. Goff,  
Mr. Randall

**B.S. AND B.A. DEGREES IN PHYSICS**

Students who major in physics may qualify for either the B.A. or the B.S. degree. For both degrees the student must meet the requirements of the department and the general requirements of the college.

**MAJOR:** Thirty-five semester hours in the department of which Physics 201, 202, 301, 302, 305, 401, 402, and 431 are required. The remaining seven hours may be chosen from the 300 and 400 courses with the approval of the department head. Outside the department, mathematics through 402 and general chemistry are required.

**B.S. DEGREE IN ENGINEERING SCIENCES**

General objectives of the Engineering Sciences Program are as follows:

1. To provide technical training for those students interested in general engineering; 2. To provide laboratory and technical experiences for teachers interested in industrial and scientific subjects taught in the public schools; 3. To provide practical knowledge of industrial and economic materials; 4. To contribute to general education through study of skills, materials, and practices of modern industry.

The curriculum aims to give the student the necessary fundamentals in the basic science and cultural fields that are essential in the application of principles and skills in modern industry and prepare themselves for professional engineering school and graduate school.

**PHYSICS****COURSES:****101-102. INTRODUCTORY PHYSICS. 3-3-4 hours.**

Prerequisite: Mathematics 101 or its equivalent.

The fundamental concepts of statics, dynamics of rigid bodies, liquids and gases, wave motion, sound, light, electricity and magnetism. The fundamental principles are illustrated by the solution of simple problems and the performance of illustrative experimental work.

**111-112. GENERAL ASTRONOMY. 3-1-3 hours.**

Elective in Group 2.

A study of the earth as a body in space, the other planets, the moon, and other satellites, comets, meteorites, the solar system and its motion and analysis of light, the sun, the stars, star clusters, gaseous nebulae, the Milky Way, external galaxies, the structure of the universe.

**201-202. GENERAL PHYSICS. 3-3-4 hours.**

Prerequisite: Mathematics 201 or enrollment therein.

The basic principles of statics, dynamics of rigid bodies, liquids, gases, wave motion, sound, light, electricity and magnetism. Applications drawn from physical and biological problems used for the basis of problems and laboratory experiments. Required of all physics and industrial technology majors and pre-engineering students.

**301-302. ELECTRICITY AND MAGNETISM. 3-3-4 hours.**

Prerequisites: Physics 202, and Mathematics 303 or enrollment therein. A study of electrical and magnetic fields, units of electricity, circuit elements, DC and AC circuits.

**305. LIGHT AND OPTICS. 3-0-3 hours.**

Prerequisites: Physics 202 and Mathematics 201.

The optical and physical properties of light; reflection, refraction, interference, diffraction, analysis and interpretation of radiation.

**311-312. MODERN PHYSICS. 3-0-3 hours.**

Prerequisite: Physics 202 and Mathematics 303 or enrollment therein.

A treatment of topics beyond the scope of general physics, with emphasis on recent advances in the field of X-rays, electronics, atomic and nuclear studies. Recommended for all students who desire more than one year of physics.

**313-314. MODERN PHYSICS LABORATORY. 0-3-1 hours.**

Requisite: Taken in conjunction with corresponding theory courses.

A laboratory course for students who desire laboratory work with theory.

**321. IONS AND IONIZING RADIATIONS. 3-0-3 hours.**

Prerequisite: Physics 202 and Mathematics 303 or enrollment therein.

A treatment of the ionization of gases, properties of the ions, thermionic effects, photoelectricity, X-rays, radio-activity, and properties of the nucleus.

**323. IONIZATION LABORATORY. 0-3-1 hours.**

Requisite: Taken in conjunction with Physics 321.

**322. ELECTRONICS AND RADIO COMMUNICATION. 3-0-3 hours.**

Prerequisite: Physics 321.

Characteristics of basic vacuum tubes, semi-conductors, and their uses in basic electronic circuits, radio transmission and reception.

**324. ELECTRONICS LABORATORY. 0-3-1 hours.**

Requisite: Taken in conjunction with Physics 322.

Determination of tube characteristics and study of various electronic circuits.

**401-402. MECHANICS. 3-0-3 hours.**

Prerequisites: Physics 202 and Mathematics 402 or enrollment therein.

Theory and fundamental principles of the statics and dynamics of particles, rigid bodies, elastic bodies, and fluids.

**411. SPECIAL PROBLEMS. 1 or 2 hours.**

Prerequisite: Junior or senior standing.

An advanced student wishing to enroll in this course must submit to the department, at least thirty days prior to registration, a written outline of a special research project in the field of physics in which he plans to specialize. The student will be allowed one year in which to complete his research. A written report must be submitted.



**412. ATOMIC PHYSICS. 3-0-3 hours.**

Prerequisite: Physics 312.

Classical and modern theories of the atom, origin of radiation, radioactivity, photoelectric effect, X-rays, and spectral series.

**431. HEAT AND THERMODYNAMICS. 3-0-3 hours.**

Prerequisites: Physics 202 and Mathematics 303 or enrollment therein.

An introduction to the thermodynamics study of the relationships between heat and work with application to heat engines and refrigeration.

**ENGINEERING SCIENCES****COURSES:****100. ENGINEERING ORIENTATION. 1-1-1 hours.**

Engineering as a profession, its attractions and professional responsibilities, the student's approach to his chosen field of engineering or architecture, the application of the slide rule in solution of engineering problems.

**101. ENGINEERING DRAWING AND GRAPHICS. 0-6-2 hours.**

Instructions in the proper care and use of drafting instruments, lettering, freehand sketching, orthographic projection, geometrics, dimensioning, section views, auxiliaries, working drawings, isometrics, tracing, and graphic solutions.

**102. ENGINEERING DRAWING. 0-6-2 hours.**

Prerequisite: Course 101.

A continuation of Course 101. Instructions in machine drafting, isometrics, detail and assembly drawings, shop drawings, notes and dimensioning, and graphics.

**104. BLUEPRINT READING FOR THE BUILDING TRADES. 0-3-1 hours.**

Instructions in blueprint interpretation for trades and construction personnel. Small homes, construction projects, detail construction, materials lists, and industrial construction blueprints. Offered in Evening Division only.

**119-120. ARCHITECTURAL GRAPHICS. 1-3-2 hours.**

An elementary course in architectural graphics and design composition. Instructions in the fundamentals of perspective, graphics, visualization, lines, planes, color, mood, texture, static and dynamic symmetry, details, design of small objects. Designed for the architectural major.

**141. GENERAL CARTOGRAPHY. 1-3-2 hours.**

A study of the history and development of modern mapping. Instructions in map uses, symbols, form, color, texture, simple projections, and map reading. Designed to meet requirements of the geology major.

**142. MAP DRAFTING. 1-3-2 hours.**

Prerequisite: Course 101 or 141.

Instructions in map construction, projections, reproduction, aerial photography, composition, contours, ownership maps, plotting and sketching, types of maps and uses.

**151. PETROLEUM ENGINEERING. 3-0-3 hours.**

A study of oil field discovery, development, methods of oil and gas recovery, and an introduction to the refining of petroleum. Strongly recommended for the student in elementary geology.

**201-202. ADVANCED ENGINEERING DRAWING. 0-6-2 hours.**

Prerequisite: Course 102 or 251.

Instructions in machine drafting and graphics, shop drawings, industrial projection drawings and dimensioning, costs, shades, shadows, detail and assembly drawings of complicated machines and scientific devices.

**221-222. ARCHITECTURAL DESIGN. 2-6-4 hours.**

Prerequisite: Course 120.

Instructions in sheet layouts, composition, preliminary planning, lettering, dimensioning, and basic planning for small structures.

**251. DESCRIPTIVE GEOMETRY. 2-3-3 hours.**

Prerequisite: Course 101.

A study of lines, points, planes, three-dimensional problems, visualization, developments, intersections, shades, shadows and graphic solutions.

**252. PLANE SURVEYING. 2-3-3 hours.**

Prerequisite: Mathematics 101.

Instructions in the care and use of surveying equipment, theories of surveying, errors, measurement of distance and angles, survey computations and plotting, land descriptions, and locations.

**253. PLANE TABLE SURVEYING. 1-3-2 hours.**

Prerequisite: Course 252.

Instructions in the care and use of the plane table alidade, field mapping, baseline and triangulation mapping, plotting and finishing of topographic field maps.

**301. ADVANCED GRAPHICS. 0-6-2 hours.**

Prerequisite: Descriptive Geometry 251, Calculus III or enrollment therein.

A further study of graphic solutions beyond the scope of engineering drawing and descriptive Geometry 251. Emphasis will be placed on one of the following subjects to be selected by the student and his adviser:

- (a) Analysis of the more complex machine mechanisms
  - (b) Basic elements of production design
  - (c) Solutions of vector problems by graphic and mathematical techniques, graphic calculus, and nomography.
- required course for the Engineering Sciences degree.

**310. INTRODUCTION TO CORROSION AND CONTROL. 3-0-3 hours.**

Prerequisite: 8 hours of chemistry.

Introduction to corrosion problems, electrochemistry of corrosion, mechanism of the electrolytic cell, prevention of corrosion cells, and practical application of specific corrosion problems.

**320. MATERIALS OF INDUSTRY. 3-0-3 hours.**

Prerequisite: Junior standing.

A study of industrial materials, their composition, applications, processing, and uses.

**361. PETROLEUM REFINING. 3-0-3 hours.**

Prerequisite: 8 hours of chemistry.

A study of crude oils, sources, types and yields. Principles of distillation, chemistry of petroleum, detonation, cracking, thermal and catalytic.

**404. STRENGTH OF MATERIALS. 3-0-3 hours.**

Prerequisites: Physics 401, Mathematics 402 or enrollment therein.

A study of the internal stresses and strains of a body, when external compression, tension and shear forces are applied.

## PSYCHOLOGY

See Education and Psychology, p. 46.

## RELIGION

Department Head: Professor Pomeroy

Professor Pledger, Professor Goodloe, Assistant Professor R. E. Taylor

The purpose of the department is to introduce the student to, and acquaint him with, the major area of study in religion. Students will meet the college requirement of six hours of Bible for graduation with Religion 101 and 102 which survey the Old and New Testament from historical and literary viewpoints, with a non-sectarian emphasis on moral and spiritual principles involved. Members of churches which forbid the study of religion at a Protestant institution may meet the college requirement by taking two of the following courses: Philosophy 301, 302, and English 313.

MAJOR: Twenty-four semester hours of religion, including Religion 101, 102. Philosophy 301 and 302 shall count as religion for the major. Other requirements include Philosophy, 6 hours (may be 301 and 302); Psychology 201 and three additional hours; History 203 and 204 or 101 and 102; Economics 204; Sociology 101; Education 102; Music 143 and 144; art, 3 hours; speech and drama, 3 hours.

RELIGIOUS EDUCATION: Students who are preparing to work in this field without graduate study are expected to take the courses listed above plus Religious Education 210, 211, 310, and 312. In addition it is recommended that these students take (Church) Music 343 and 344.

### COURSES:

101. OLD TESTAMENT SURVEY. 3 hours.

102. NEW TESTAMENT SURVEY. 3 hours.

103. PRINCIPLES OF CHURCH ADMINISTRATION. 1 hour.

This course is designed to meet the needs of ministerial students and other Christian workers who are learning the art of leadership in applied religion.

202. THEOLOGY OF THE NEW TESTAMENT. 3 hours.

Prerequisite: Religion 102.

A treatment of the major theological and practical religious questions involved in understanding the New Testament.



**203. HISTORY AND DOCTRINES OF METHODISM. 3 hours.**

Prerequisite: Sophomore standing.

The study of a movement which affected the social and religious life of England in the 18th century and which influenced the cultural, religious, and political development of America. Primary sources are the works of John Wesley and secondary sources are recent interpretative biographies and histories of Methodism.

**301. HISTORY OF THE CHRISTIAN CHURCH. 3 hours.**

A survey of the development of the Christian Church in thought and individual life from the First Century to the Reformation. Careful study is made of the lives and writings of the leading figures of this period.

**302. HISTORY OF THE CHRISTIAN CHURCH. 3 hours.**

A study of the major branches of the Christian Church and trends of development since the Reformation.

**303. PHILOSOPHY OF RELIGION. 3 hours.**

A philosophic study of religion. (Same as Philosophy 303.)

**305. LIFE AND TEACHINGS OF JESUS. 3 hours.**

Includes the historical and political background of the period, main events in the ministry of Jesus, and literary forms and ethical teachings in the gospels.

**306. PROPHETS OF ISRAEL. 3 hours.**

A study of the prophetic movement and its historic background in Israel from the time of Moses until its close with the book of Jonah.

**307. COMPARATIVE RELIGION. 3 hours.**

A historical survey of the major religions of the Occident and Orient: Egyptian, Greek, Roman, Indian, Chinese, Persian, Hebrew, Christian.

**308. RELIGION IN AMERICA. 3 hours.**

A study of the formation and progress of religious movements in America from colonial days to the middle of the Twentieth Century. Emphasis is given to the creative forces which appear with the frontier and pioneer spirit in American life.

**309. LIFE AND LETTERS OF PAUL. 3 hours.****COURSES—RELIGIOUS EDUCATION****210. SURVEY OF RELIGIOUS EDUCATION. 3 hours.**

Introduction to the whole field of religious education.

**211. RELIGIOUS EDUCATION IN THE LOCAL CHURCH. 3 hours.**

A course dealing with local problems in religious education.

**310. PRINCIPLES OF TEACHING IN THE CHURCH SCHOOL. 3 hours.**

A study of Christian education in the church school with emphasis on materials and techniques. Includes study of lesson materials for different age groups, lesson planning and audio-visual aids.

**312. SUPERVISED FIELD WORK.**

Students will be required to observe and participate in religious education work in local churches.

**RUSSIAN**

See Foreign Languages, p. 53.

## SOCIOLOGY

Department Head: Professor Pledger

Mr. Falk, Mr. Waite

The courses in the department fall into three somewhat overlapping areas: 1. Courses purposed to develop the general culture of the student; 2. Courses supporting other curricula for which a knowledge of social institutions and behavior is essential; 3. Courses needed to prepare the student for a specific profession.

The objective of the department is to help the student, whatever his prospective profession, to know himself as a responsible member of society. To do this, he must understand something of group behavior in the urban-industrial milieu of western civilization and be encouraged to recognize his relation to the total social pattern as well as to the smaller groups comprising it.

### COURSES—SOCIOLOGY

#### 101. INTRODUCTORY SOCIOLOGY. 3 hours.

An examination of cultural origins, factors in group behavior; basics of personality; and present trends in our own culture.

#### 102. SOCIAL INSTITUTIONS. 3 hours.

Background, organization, changing character of basic social institutions, with particular reference to western civilization.

#### 103. INTRODUCTION TO ANTHROPOLOGY. 3 hours.

A study of ancient and modern man; race, culture, and society. Emphasis placed on the cultural approach.

#### 201. CONTEMPORARY SOCIAL PROBLEMS. 3 hours.

Prerequisite: Sociology 101.

An examination of the various contemporary social problems, causes, extent, cost, and possible solutions.

#### 202. MARRIAGE AND FAMILY. 3 hours.

Prerequisite: Sociology 102 or three hours of psychology.

Problems related to preparation for marriage; marital adjustments; organization and function of the family.

#### 301. COMMUNITY ORGANIZATION. 3 hours.

Prerequisite: Junior standing.

Community organization as a process in social work, its characteristics and growth. Discussion of councils of social agencies, community chest, and similar agencies primarily carrying out this process. Analysis of state-wide, national and international agencies in the field of organization for social welfare. Some attention to problems of research.

#### 302. INTRODUCTION TO SOCIAL WORK. 3 hours.

Prerequisite: Sociology 101, 102, or junior standing.

Underlying philosophy and basic principles of social casework, and a study of the various categories of welfare work.

**400. SOUTHERN REGIONALISM. 3 hours.**

Prerequisite: Junior standing.

A study of the population and cultural characteristics of the South as related to the history and economy of the region; recent trends and prospective changes with reference to rural-urban developments in the region.

**401. CRIMINOLOGY. 3 hours.**

Prerequisite: Sociology 102 or three hours of psychology.

An analysis of the causative factors leading to crime; sociological evaluation of present methods of dealing with the criminal.

**402. JUVENILE DELINQUENCY. 3 hours.**

Prerequisite: Sociology 102 or three hours of psychology.

Social and emotional adjustment problems of youth between ages of 12 and 21 years of age; an analysis of the causative factors leading to delinquency; sociological evaluation of present methods of dealing with the delinquent.

**SPANISH**

See Foreign Languages, p. 53.

**SPEECH AND DRAMA**

Department Head: Associate Professor Corey

Assistant Professor Alexander, Mr. Graber, Mrs. Corey

The Department of Speech and Drama offers courses designed to provide the student with a knowledge of the fundamental principles of speech and drama and their application to contemporary life, and to prepare the student to teach speech. Three programs are offered: Speech Major, Drama Major, and Speech Education.

*Requirements for Speech Major:* Speech 101, 200, 201, 331, 403 (3 hours), and 27 hours from the following: Speech 111, 203, 205, 210, 220, 230, 307, 310, 312, 313, 401, 404, 410; English 415; Philosophy 201. Total: 40 hours for a B.A. in Speech.

*Requirements for Drama Major:* Speech 101, 111, 200, 201, 307, 308, 401, 403 (3 hours), and 16 hours from the following: Speech 203, 204, 205, 206, 230, 250, 312, 330, 350, 404. Total: 40 hours for a B.A. in Drama.

*Requirements for Speech Education:* See pp. 105 and 112. The speech major may receive a B.A. in Speech with teacher certification by fulfilling the education requirements and by getting approval of Speech Department advisor. The program on p. 112 provides for a B.S. in Education.

Ample opportunity is provided for development of performance skills essential for personal artistry. All speech and drama majors are required to participate in the groups. Those from other departments of the college are encouraged to join them also.



## COURSES:

101. FUNDAMENTALS OF VOICE AND DICTION. 3 hours.  
Study of the International Phonetic Alphabet, phonics, and voice improvement.
105. WORKSHOP PRODUCTION (Offered summers only). 3 hours.  
A laboratory course in all phases of staging utilized in summer productions of the department.
107. WORKSHOP ACTING (Offered summers only). 3 hours.  
An applied study of the art of acting, correlated with summer productions of the department.
109. PLATFORM ART FOR MINISTERS. 2 hours.  
Study of the organization and delivery of sermons and other forms of public address frequently used by ministers; the study of oral Bible reading.
111. PHILOSOPHY OF THE THEATRE. 3 hours.  
Introduction to the historical idea of a theatre, its meaning in previous and contemporary society, and its principles, tools, and creative artists.
200. PUBLIC SPEAKING. 3 hours. (Formerly 103)  
Study of the organization and delivery of all forms of public address with the exception of discussion and debate.
201. LITERARY INTERPRETATION. 3 hours.  
Techniques involved in platform reading and program presentation of prose, poetry, and drama.
203. ACTING. 3 hours.  
A beginning course in the study of the stage from the standpoint of the actor.
204. ACTING. 3 hours.  
A continuation of 203.
205. THEATRE FORMS AND MATERIALS. 3 hours.  
A course in applied arts in staging, lighting, and scenery.
206. DESIGNING THEATRE FORMS AND MATERIALS. 3 hours.  
A continuation of 205, introducing the student to the principles of design for the theatre.
210. DEBATE. 2 hours.  
Study of the principles of debate with practice in competitive debating for the public and in collegiate tournaments.
220. DISCUSSION PRACTICES. 3 hours.  
Study of the principles of participation in panels, round-tables, symposiums, forums with emphasis also placed on leadership in these forms.
230. THEATRE READING. 1 hour.  
Reading course, exploring criticism and theory in the contemporary theatre, through current books and periodicals, and through class discussion.
250. HISTORIC COSTUME FOR THE STAGE. 2 hours.  
Prerequisite: 205.  
A survey of dress, style, and design of personal scenic elements, for theatrical production. Laboratory experience on current productions in the department.
307. HISTORY OF THE THEATRE. 3 hours.  
The development of the drama from beginning to the present including highlights of great dramatists and their works and of production.

**308. HISTORY OF THE THEATRE. 3 hours.**

Continuation of 307.

**310. DEBATE. 2 hours.**

Continuation of 210.

**312. ADVANCED LITERARY INTERPRETATION. 3 hours.**

Prerequisite: 201, junior standing.

Study of all types of material adaptable for oral presentation, planning of programs, presentation of reading hours.

**313. ADVANCED PUBLIC SPEAKING. 3 hours. (Formerly 213)**

Concentrated study in the more formal public address with emphasis on rhetoric, logic, and audience psychology. Prerequisite: 200.

**330. THEATRE READING. 1 hour.****331. SPEECH CRITICISM. 1 hour.**

Prerequisite: 200, junior standing or consent of instructor.

Study of current speeches and principles of evaluation.

**350. HISTORIC COSTUME FOR THE STAGE. 2 hours.**

Continuation of 250.

**401. DIRECTING. 3 hours.**

A study of the development of the director and his responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Senior speech or drama majors only.

**403, 404. SEMINARS. 1 to 3 hours each.**

Prerequisite: Senior standing or consent of the instructor.

Advanced courses arranged for the individual major's requirements.

**410. DEBATE. 2 hours.**

Continuation of 210 and 310.

## SUGGESTED COURSE PLANS

The following detailed plans for various majors and certifications are suggestive only. Many other possibilities exist, and a student who is considering a major or a certification program should consult with the department head or heads involved rather than follow any one of them as the only possible program leading to such major or certification.

### ART MAJOR

**REQUIREMENTS:** Thirty-eight semester hours including the following studio courses which must be taken consecutively: 103-104, 203-204, 303-304, and 401-402. The remaining hours are taken in art history, the graphic arts, materials and techniques, and the art

seminar. In addition, 2 hours of music and 6 hours of speech and drama must be selected. The requirements in music and drama may be met by Fine Arts Survey 197, 198.

### Freshman Year

Fall Semester		Spring Semester	
Art 101 .....	3	Art 102 .....	3
Art 103 .....	3	Art 104 .....	3
English 101 .....	3	English 102 .....	3
Foreign Language 201 .....	3	Foreign Language 202 .....	3
Physical Education .....	1	Physical Education .....	1
Music 143 .....	1	Music 144 .....	1
	<u>14</u>		<u>14</u>

### Sophomore Year

Art 203 .....	3	Art 204 .....	3
English 201 .....	3	English 202 .....	3
History 101 .....	3	History 102 .....	3
Physical Education .....	1	Physical Education .....	1
Natural Science .....	4	Natural Science .....	4
Religion 101 .....	3	Religion 102 .....	3
	<u>17</u>		<u>17</u>

### Junior Year

Art 303 .....	3	Art 304 .....	3
Art 301 .....	3	Art 307 .....	3
Natural Science .....	3 or 4	Natural Science .....	3 or 4
Social Science .....	3	Social Science .....	3
Speech 200 .....	3	Speech .....	3
	<u>15 or 16</u>		<u>15 or 16</u>

### Senior Year

Art 401 .....	3	Art 402 .....	3
Social Science .....	3	Social Science .....	3
General Education 402 .....	3	Art 403 .....	2
Comparative Literature 321 or 322 ..	3	Elective .....	6
Elective .....	3	Elective .....	3
	<u>15</u>		<u>17</u>

## BIOLOGY MAJOR

Requirements: Thirty-four semester hours in biology; one year each of General Chemistry, mathematics and General Physics; Chemistry 202. Satisfy all requirements for B.S. degree.

### Freshman Year

Fall Semester		Spring Semester	
Biology 101, 111 .....	4	Biology 102, 112 or 104, 114 .....	4
English 101 .....	3	English 102 .....	3
Mathematics 101 or 106 .....	3	Mathematics 106 or 201 .....	3
Chemistry 101, 111 .....	4	Chemistry 102, 112 .....	4
Physical Education .....	1	Physical Education .....	1
	<u>15</u>		<u>15</u>



## Sophomore Year

Biology 102, 112 or 104, 114 .....	4	Biology 202 or 210 .....	4
Chemistry 201 .....	4	Chemistry 202 .....	4
English 201 or 203 .....	3	English 202 or 204 .....	3
Foreign Language (German or French recommended) .....	3 or 4	Foreign Language .....	3 or 4
Physical Education .....	1	Physical Education .....	1
	15 or 16		15 or 16

## Junior Year

Elective, 200 or 300 course, Group I .....	4	Elective, 200 or 300 course, Group I .....	4
Religion 101 .....	3	Religion 102 .....	3
Foreign Language .....	3	Foreign Language .....	3
Physics 201 or 101 .....	4	Physics 202 or 102 .....	4
Elective Group II .....	3	Elective Group II .....	3
	17		17

## Senior Year

Electives (6-8 hrs.) 300 or 400 courses Group I .....	6-8	Elective, 300 or 400 course, Group I .....	4
Elective Group II .....	3	General Education 402 .....	3
Speech 200 .....	3	Elective Group II .....	3
	12-14	Elective Group I or II or III .....	3-4
		Elective Group II or III .....	3
			16-17

## ELECTIVES

## Group I

Biology 202 .....	4	Biology 305 .....	4
Biology 203 .....	4	Biology 306 .....	4
Biology 204 .....	4	Biology 313, 315 .....	4
Biology 210 .....	4	Biology 402 .....	4
Biology 301 .....	4	Biology 403 or 404 .....	1-3
Biology 302 .....	4	Biology 407 .....	4
Biology 303 .....	4		

## Group II

U. S. History .....	3
Economics .....	3
Education 102, 321 .....	3, 3
Government .....	3
Psychology .....	3

## Group III

Art 101, 102 .....	3, 3
Music 143, 144 .....	2
General Education 197, 198 .....	6
English Literature .....	6
Philosophy .....	3

## BUSINESS MAJOR

REQUIREMENTS: B.S. in Business. (1) The core curriculum, except that only one year of foreign language is required; (2) thirty hours of Business (103-104 and 323-324 must be included) of which at least 18 hours must be at the 300-400 level; (3) Economics 201-202. The balance of the 124 hours required for graduation should be chosen from the list of recommended electives which follows the suggested course plan.

## SUGGESTED COURSE PLANS

## Freshman Year

Fall Semester	
English 101 .....	3
Math 101, 105, 106 .....	3
Religion 101 .....	3
Language (100 or 200 level) ..	3 or 4
Recommended Elective .....	3
Physical Education .....	1
	<u>16 or 17</u>

Spring Semester	
English 102 .....	3
Math 104, 106, 201 .....	3
Religion 102 .....	3
Language (100 or 200 level) ..	3 or 4
Recommended Elective .....	3
Physical Education .....	1
	<u>16 or 17</u>

## Sophomore Year

English 201 or 203 .....	3
Science with lab .....	4
Business 103 .....	3
Economics 201 .....	3
Speech 200 .....	3
Physical Education .....	1
	<u>17</u>

English 202 or 204 .....	3
Science with lab .....	4
Business 104 .....	3
Economics 202 .....	3
Recommended Elective .....	3
Physical Education .....	1
	<u>17</u>

## Junior Year

Business 323 .....	3
Business 346 .....	3
Recommended Electives .....	9
	<u>15</u>

Business 324 .....	3
Business 321 .....	3
Recommended Electives .....	9
	<u>15</u>

## Senior Year

Business 425 .....	3
Economics 305 .....	4
Recommended Electives .....	7 or 9
	<u>14 or 16</u>

Business Elective .....	3
Economics 329 .....	3
General Education 402 .....	3
Recommended Electives .....	3 or 6
	<u>12 or 15</u>

## RECOMMENDED ELECTIVES:

## Humanities

English 309, 312  
 Foreign Language  
 Gen. Ed. 197, 198  
 Phil. 201, 301, 302

## Social Science

Gov. 201, 309, 310  
 Hist. 313, 314, 321, 322  
 Psy. 201, 311  
 Soc. 103

## Science &amp; Mathematics

Chemistry 101  
 Mathematics 202  
 Physics 112  
 Geology 101

Students whose primary interests lie in accounting or secretarial training will vary somewhat from this suggested course plan. In every case this course plan is only suggestive, and academic advisors should be consulted before registering for specific courses.

## CHEMISTRY MAJOR

Students who transfer from other colleges should consult with the head of the department about these requirements and a sequence of courses which will take the best advantage of work they have taken elsewhere. The courses listed below meet the minimum requirements for graduation with a major in chemistry. Good students should be able to take up to eighteen hours a semester, and should therefore plan

to add from one to three hours each semester to the program here outlined. Courses in art, music, drama appreciation, choir, band, or in social sciences are recommended for the first two years. French or electives in either the humanities or the social sciences are recommended for the last two years.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Chemistry 101 and 111 .....	4	Chemistry 102 and 112 .....	4
Mathematics 101 or 105 .....	3	Mathematics 106 .....	3
Religion 101 .....	3	Religion 102 .....	3
Social Science .....	3	Social Science .....	3
Physical Education .....	1	Physical Education .....	1
	<u>17</u>		<u>17</u>

## Sophomore Year

English 201 or 203 .....	3	English 202 or 204 .....	3
Chemistry 201 and 205 .....	5	Chemistry 202 and 206 .....	5
Mathematics 201 .....	3	Mathematics 202 .....	3
Physics 201 .....	4	Physics 202 .....	4
Physical Education .....	1	Physical Education .....	1
	<u>16</u>	Economics 204 .....	3
			<u>19</u>

## Junior Year

Chemistry 351 and 353 .....	4	Chemistry 352 and 354 .....	4
Chemistry 215 .....	4	Chemistry 426 .....	4
Mathematics 303 .....	3	Mathematics 402 .....	3
German 101 or Russian 101 .....	4	German 102 or Russian 102 .....	4
	<u>15</u>		<u>15</u>

## Senior Year

Chemistry 421 .....	4	Chemistry 422 .....	3
General Education 402 .....	3	German 202 or Russian 202 .....	3
German 201 or Russian 201 .....	3	Social Science .....	3
Social Science .....	3	Electives .....	6
Speech 200 .....	3		
	<u>16</u>		<u>15</u>

## DRAMA MAJOR

REQUIREMENTS FOR DRAMA MAJOR: Speech 101, 111, 200, 201, 307, 308, 401, 403 (3 hours), and 16 hours from the following: Speech 203, 204, 205, 206, 230, 250, 312, 330, 350, 404. Total: 40 hours for a B.A. in Drama.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Foreign language .....	3 or 4	Foreign language .....	3 or 4
Natural Science .....	4	Natural Science .....	4
Speech 101 .....	3	Speech 111 .....	3
Physical Education .....	1	Physical Education .....	1
	<u>14 or 15</u>		<u>14 or 15</u>



## SUGGESTED COURSE PLANS

## Sophomore Year

Physical Education .....	1
English 201 .....	3
Foreign Language .....	3
Natural Science .....	3 or 4
Social Science .....	3
Speech 201 .....	3
	<u>16 or 17</u>

Physical Education .....	1
English 202 .....	3
Foreign Language .....	3
Natural Science .....	3 or 4
Social Science .....	3
Speech elective .....	3
	<u>16 or 17</u>

## Junior Year

Fine Arts 197 .....	3
Religion 101 .....	3
Speech elective .....	3
Speech 307 .....	3
English 321 .....	3
	<u>15</u>

Fine Arts 198 .....	3
Social Science .....	3
Religion 102 .....	3
Speech elective .....	5
Speech 308 .....	3
	<u>17</u>

## Senior Year

General Education 402 .....	3
Social Science .....	3
Elective .....	3
Speech 401 .....	3
General electives .....	4
	<u>16</u>

Speech 403 .....	3
Speech electives .....	5
General electives .....	6
	<u>14</u>

## ECONOMICS MAJOR

REQUIREMENTS: B.A. in Economics. Core curriculum, thirty semester hours in economics, and approval of course of study by departmental advisor.

## Freshman Year

## Fall Semester

English 101 .....	3
Mathematics* .....	3
Language* .....	3 or 4
Science .....	4
Fine Arts 197 .....	3
Physical Education .....	1
	<u>17 or 18</u>

## Spring Semester

English 102 .....	3
Mathematics* .....	3
Language* .....	3 or 4
Science .....	4
Fine Arts 198 .....	3
Physical Education .....	1
	<u>17 or 18</u>

## Sophomore Year

English 201 .....	3
Language* .....	3
Economics 201 .....	3
Business 103 .....	3
Mathematics* .....	3
Physical Education .....	1
	<u>16</u>

English 202 .....	3
Language* .....	3
Economics 202 .....	3
Business 104 .....	3
Mathematics* .....	3
Physical Education .....	1
	<u>16</u>

## Junior Year

Economics 305 .....	4
Religion 101 .....	3
Economics 123 .....	3
Philosophy .....	3
Psychology 201 .....	3
	<u>16</u>

Economics 329 .....	3
Religion 102 .....	3
Philosophy .....	3
Economics 324 .....	3
Speech 200 .....	3
	<u>15</u>

## Senior Year

Business 425 .....	3	Economics 430 .....	3
Economics 470 .....	3	Economics 440 .....	3
Elective .....	6	General Education 402 .....	3
Sociology 103 .....	3	Elective .....	6
	<u>15</u>		<u>15</u>

\*Mathematics should be completed through 202; foreign language through 202.  
The number of hours taken will depend on the high school background.

This suggested curriculum may be varied in consultation with your academic advisor.

## ENGINEERING SCIENCES MAJOR

The candidate for the degree of B.S. in Engineering Sciences must meet the requirements for the Bachelor of Science degree in the Division of Natural Sciences, including a minimum of seventy (70) credit hours in that Division. He must take the courses as outlined below and all electives must be selected with the approval of the Department Head.

## Freshman Year

Course and No.	Credit Hours
Engineering Sciences 100, 101, 102 or 251 .....	5 or 6
English 101-102 .....	6
Mathematics 101 or 105, 106 .....	6
Chemistry 101-102, 111-112 .....	8
Speech or Philosophy .....	3
Physical Education .....	2

## Sophomore Year

Engineering Sciences 251 or 301, 252 .....	5 or 6
Physics 201-202 .....	8
Mathematics 201, 202 .....	6
English 201-202, or 203-204 .....	6
Speech 200 .....	3
Physical Education .....	2

## Junior Year

Physics 301-302, or 321, 322 .....	8 or 6
Engineering Sciences 320 .....	3
Foreign Language .....	8
Electives from Group II .....	9 or 10
Mathematics 303 .....	3
Electives from Group III .....	6

## Senior Year

Engineering Sciences 404 .....	3
Physics 401 .....	3
General Education 402 .....	3
Electives from Group II .....	3
Religion 101, 102 .....	6
Electives from Group III .....	12

## GROUP ELECTIVES

GROUP I	GROUP II	GROUP III
Art	Astronomy	Business
Dramatics	Biology	Economics
English	Chemistry	Education
Modern Language	Geology	Government
Music	Engineering Sciences	History
Philosophy	Mathematics	Physical Education
Religion	Physics	Psychology
Speech		Sociology

## ENGLISH MAJOR

REQUIREMENTS: (1) Twenty-four semester hours of English in courses numbered 200 and above, of which at least six hours shall be in courses numbered 400 and above and six additional hours numbered 300 and above. (2) Twelve to eighteen additional hours in related subjects approved by the Head of the English Department must be taken and the core curriculum met.

General Education 197 or 198 and English 407 are required, and English 301, 302, and 415 are strongly urged for all English majors.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Physical Education .....	1	Physical Education .....	1
Foreign Language .....	3 or 4	Foreign Language .....	3 or 4
History (European) .....	3	History (European) .....	3
Religion 101 .....	3	Religion 102 .....	3
General Education 197 .....	3	General Education 198 .....	3
	<u>16 or 17</u>		<u>16 or 17</u>

## Sophomore Year

English 201 .....	3	English 202 .....	3
Physical Education .....	1	Physical Education .....	1
Natural Science (with lab) .....	4	Natural Science (with lab) .....	4
Speech 200 .....	3	Speech .....	3
Foreign Language .....	3	Foreign Language .....	3
Social Science elective .....	3	Social Science elective .....	3
	<u>17</u>		<u>17</u>

## Junior Year

English 309 (Shakespeare) .....	3	English 415 (History of the Language) .....	3
Restricted elective (Comparative Literature, English) .....	3	English 242 (Grammar) .....	3
Natural Science or Mathematics .....	3 or 4	Restricted elective (Comparative Literature, English) .....	3
Social Science elective .....	3	Natural Science or Mathematics .....	3 or 4
Philosophy 301 or 302 .....	3	Social Science elective .....	3
	<u>15 or 16</u>		<u>15 or 16</u>



## Senior Year

English elective (Chaucer or Milton) .....	3	English 407 (Seminar) .....	3
English elective (18th or 19th century course) .....	3	English elective (American, such as 203 or 302; or pre-18th century course) .....	3
English elective (American literature, 203 or 301) .....	3	General Education 402 .....	3
Free elective (such as History 321) .....	3	Free elective .....	3
Free elective (further foreign language study recommended) ....	3	Free elective (further foreign language study recommended) ..	3
	<u>15</u>		<u>15</u>

## FRENCH MAJOR

REQUIREMENTS: Twenty-four hours beyond French 202.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
French 101 or 201 .....	3 or 4	French 102 or 202 .....	3 or 4
Physical Education .....	1	Physical Education .....	1
Science .....	4	Science .....	4
History 101 .....	3	History 102 .....	3
Religion 101 .....	3	Religion 102 .....	3
	<u>17 or 18</u>		<u>17 or 18</u>

## Sophomore Year

French 201 or 203 .....	3 or 4	French 202 or 204 .....	3 or 4
English 201 .....	3	English 202 .....	3
Physical Education .....	1	Physical Education .....	1
Math 101 or 105 .....	3	Math 106 .....	3
Social Science .....	3	Social Science .....	3
Elective .....	3 or 4	Elective .....	3 or 4
	<u>16 or 18</u>		<u>16 or 18</u>

## Junior Year

French .....	6	French .....	6
Philosophy 201 .....	3	Philosophy 202 .....	3
Social Science .....	3	Social Science .....	3
Speech 200 .....	3	Electives .....	3 or 6
Elective .....	3		
	<u>18</u>		<u>15 or 18</u>

## Senior Year

French .....	6	French .....	6
General Education 402 .....	3	Humanities Electives .....	6 or 9
Humanities Electives .....	3 or 6		<u>12 or 15</u>
	<u>12 or 15</u>		

## GEOLOGY MAJOR

REQUIREMENTS: Thirty-five hours in geology including the following required courses: 101-102, 111-112, 151, 201-202, 203, 204 and 252. Chemistry 101-102, 111-112. Mathematics through calculus

## SUGGESTED COURSE PLANS

(Mathematics 106). Physics 101-102 or 201-202. At least six hours, chosen in consultation with the Head of the Geology Department, from the following courses in engineering sciences: 101, 102, 252, 253. Philosophy 201. Speech 200.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Geology 101-111 .....	4	Geology 102-112 .....	4
Physical Education .....	1	Physical Education .....	1
Math 101 .....	3	Math 106 .....	3
Chemistry 101-111 .....	4	Chemistry 102-112 .....	4
	<u>15</u>		<u>15</u>

## Sophomore Year

Geology 151 .....	3	Geology 202 .....	3
Geology 201 .....	3	Geology 203 .....	3
English 201 or 203 .....	3	Speech 200 .....	3
Physical Education 201 .....	1	English 202 or 204 .....	3
Math 201 .....	3	Physical Education 202 .....	1
Elective .....	3	Elective .....	3
	<u>16</u>		<u>16</u>

## Junior Year

Social Science .....	3	Social Science .....	3
Physics 101 or 201 .....	4	Physics 102 or 202 .....	4
German 101 .....	4	German 102 .....	4
Engineering Sciences .....	2 or 3	Engineering Sciences .....	2 or 3
Geology 204* .....	3	Geology 252 .....	3
	<u>16 or 17</u>		<u>16 or 17</u>

## Senior Year

Religion .....	3	Religion .....	3
Social Science .....	3	Social Science .....	3
Philosophy 201 .....	3	Great Issues 402 .....	3
Engineering Sciences .....	3	Geology Elective .....	6
Geology Elective* .....	3	German 202 .....	3
German 201 .....	3		
	<u>18</u>		<u>18</u>

\*Those going into paleontology in graduate school should take one year of biology.

## GOVERNMENT MAJOR

REQUIREMENTS: See department head.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
History 101 .....	3	History 102 .....	3
Math or Science .....	3 or 4	Math or Science .....	3 or 4
Foreign Language .....	3 or 4	Foreign Language .....	3 or 4
Physical Education .....	1	Physical Education .....	1
Elective .....	3	Elective .....	3
	<u>16 or 18</u>		<u>16 or 18</u>

## Sophomore Year

English 201 .....	3
Foreign Language .....	3
Math or Science .....	3 or 4
American History .....	3
American Government .....	3
Physical Education .....	1
	<u>16 or 17</u>

English 202 .....	3
Foreign Language .....	3
Math or Science .....	3 or 4
American History .....	3
Governments of Europe .....	3
Physical Education .....	1
	<u>16 or 17</u>

## Junior Year

Government 206 .....	3
American Diplomatic History .....	3
Government 205 .....	3
Religion 101 .....	3
Speech 200 .....	3
	<u>15</u>

Government 207 .....	3
American Diplomatic History .....	3
Government 303 .....	3
Religion 102 .....	3
Elective .....	3
	<u>15</u>

## Senior Year

Great Issues 402 .....	3
Government 312 .....	3
Government 309 .....	3
Philosophy .....	3
Electives .....	3
	<u>15</u>

Government 310 .....	3
Philosophy .....	3
Electives .....	9
	<u>15</u>

## HISTORY MAJOR

REQUIREMENTS: Twenty-four semester hours in history, of which not less than 12 must be numbered 300 and above, plus History 441, six hours in economics, six hours in government, and six hours in a related subject approved by the major advisor. Not less than 30 hours of work numbered 300 or above must be presented for graduation.

Students majoring in history are expected to offer either French or German in fulfillment of the foreign language requirement unless otherwise specified by the major advisor.

## Freshman Year

## Fall Semester

English 101 .....	3
History 101 .....	3
Math or Science .....	3 or 4
Foreign Language .....	3 or 4
Physical Education .....	1
Speech 200 .....	3
	<u>16 or 18</u>

## Spring Semester

English 102 .....	3
History 102 .....	3
Physical Education .....	1
Foreign Language .....	3 or 4
Math or Science .....	3 or 4
Elective .....	3
	<u>16 or 18</u>

## Sophomore Year

English 201 .....	3
Foreign Language .....	3
Math or Science .....	3 or 4
American History .....	3
American Government .....	3
Physical Education .....	1
	<u>16 or 17</u>

English 202 .....	3
American History .....	3
Math or Science .....	3 or 4
Foreign Language .....	3
Geography or Anthropology .....	3
Physical Education .....	1
	<u>16 or 17</u>



## Junior Year

History 321 .....	3	History 322 .....	3
American Diplomatic History .....	3	American Diplomatic History .....	3
History (Russia or Asia) .....	3	History (Russia or Asia) .....	3
Religion 101 .....	3	Religion 102 .....	3
Economics .....	3	Economics .....	3
Elective (History 441 if offered) .....	1 or 3	Elective .....	3
	16 or 18		18

## Senior Year

Great Issues 402 .....	3	History 342 .....	3
History 401 .....	3	Philosophy .....	3
History 341 .....	3	Electives .....	9
Philosophy .....	3		
Electives (History 441 if offered) .....	1 or 3		
	13 or 15		15

## MATHEMATICS MAJOR

Below is one pattern which may be used by a mathematics major in planning his four years of work. There are many allowable variations in this pattern. For example, instead of taking advanced work in physics, as is shown in this model, the student may take advanced work in a humanity, a social science, or some other natural science. There are enough electives open for a student to major in mathematics and obtain a teacher's certificate. Mathematics 101 is open to students who did not finish trigonometry in high school.

**REQUIREMENTS:** Students may receive either a B.A. or B.S. degree with major in mathematics. For either degree a minimum of twenty-four semester hours of mathematics, in courses numbered 201 or higher, is required, including 303, 402, and either 401, 404, or 406. At least thirty semester hours of courses numbered 300 or higher are required. At least twelve of these thirty hours must be taken outside the Department of Mathematics. The basic requirement of eight hours of laboratory science (biology, chemistry, physics, or geology) must be satisfied.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Mathematics 101 or 105 .....	3	Mathematics 106 .....	3
French or German 101 or 201 ..	3 or 4	French or German 102 or 202 ..	3 or 4
Religion 101 .....	3	Religion 102 .....	3
History 101 .....	3	History 102 .....	3
Physical Education .....	1	Physical Education .....	1
	16 or 17		16 or 17

## Sophomore Year

English 201 .....	3	English 202 .....	3
Mathematics 201 .....	3	Mathematics 202 .....	3
French or German .....	3	French or German .....	3
Physics 201 .....	4	Physics 202 .....	4
Physical Education .....	1	Physical Education .....	1
Speech 200 .....	3	Elective .....	3
	<u>17</u>		<u>17</u>

## Junior Year

Mathematics 303, 306 .....	6	Mathematics 401, 402 .....	6
Economics 201 .....	3	Economics 202 .....	3
Physics 301 .....	4	Physics 302 .....	4
Philosophy 201 or 301 .....	3	Elective .....	3
Elective .....	1 or 3		
	<u>17 or 19</u>		<u>16</u>

## Senior Year

Mathematics 404, 405 .....	6	Mathematics 305 .....	3
General Education 402 .....	3	Physics 312 .....	4
Physics 311 .....	4	Elective .....	9 or 12
Elective .....	3 or 6		
	<u>16 or 19</u>		<u>16 or 19</u>

## MUSIC MAJOR

See School of Music, Degrees p. 70 ff.

## PHILOSOPHY MAJOR

REQUIREMENTS: (1) Twenty-four semester hours, including 201, 202, 301, 302. (2) At least nine hours of mathematics, and one year of Latin. Latin may be used to meet the language requirement for graduation, but French or German is preferable. (3) Approval of course of study by departmental advisor.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Mathematics 101 or 106 .....	3	Mathematics 106 or 201 .....	3
History 101 .....	3	History 102 .....	3
Sociology 103 .....	3	Speech 200 .....	3
Foreign Language .....	3 or 4	Foreign Language .....	3 or 4
Physical Education .....	1	Physical Education .....	1
	<u>16 or 17</u>		<u>16 or 17</u>

## Sophomore Year

English 201 .....	3	English 202 .....	3
Natural Science with lab .....	4	Natural Science with lab .....	4
Foreign Language .....	3	Foreign Language .....	3
Philosophy 201 .....	3	Philosophy 202 .....	3
Mathematics 201 or 202 .....	3	Art 102 .....	3
Physical Education .....	1	Physical Education .....	1
	<u>17</u>		<u>17</u>

## Junior Year

Philosophy 203, 301 .....	6	Philosophy 204, 302 .....	6
Latin 101, or English 415.....	4 or 3	Latin 102, or English 406 .....	4 or 3
Psychology 201 .....	3	Economics 204 .....	3
Government 205 .....	3	Religion 102 .....	3
Religion 101 .....	3		
	18 or 19		15 or 16

## Senior Year

Philosophy 303 .....	3	Philosophy 306, 401 .....	6
English 301 or 309 .....	3	General Education 402 .....	3
Music 143 .....	1	Music 144 .....	1
Mathematics 305 .....	3	English 302 or 322 or	
Psychology 303 or 305 .....	3	Psychology 304 .....	3
History 321 .....	3	History 322 .....	3
	16		16

## PHYSICS MAJOR

**REQUIREMENTS:** Thirty-five semester hours in the department of which Physics 201, 202, 301, 302, 305, 401, 402, and 431 are required. The remaining seven hours may be chosen from the 300 and 400 courses with the approval of the department head. Outside the department mathematics through 402 and general chemistry are required.

## Freshman Year

Fall Semester		Spring Semester	
Mathematics 101 or 105 .....	3	Mathematics 106 .....	3
Chemistry 101 .....	3	Chemistry 102 .....	3
Chemistry 111 .....	1	Chemistry 112 .....	1
English 101 .....	3	English 102 .....	3
Social Science .....	3	Social Science .....	3
Physical Education .....	1	Physical Education .....	1
	14		14

## Sophomore Year

Mathematics 201 .....	3	Mathematics 202 .....	3
Physics 201 .....	4	Physics 202 .....	4
English 201 or 203 .....	3	English 202 or 204 .....	3
French or German .....	4	French or German .....	4
Physical Education .....	1	Physical Education .....	1
	15		15

## Junior Year

Mathematics 303 .....	3	Mathematics 402 .....	3
Physics 301 .....	4	Physics 302 .....	4
Physics 305 .....	3	Physics Elective .....	4
Economics 201 .....	3	Economics 202 .....	3
French or German .....	3	French or German .....	3
	16		17



## Senior Year

Physics 401 .....	3	Physics 402 .....	3
Physics 431 .....	3	Physics Elective .....	3 or 4
Great Issues 402 .....	3	Religion 102 .....	3
Religion 101 .....	3	Elective .....	9
Speech 200 .....	3		
Elective .....	3		
	<u>18</u>		<u>18 or 19</u>

## PSYCHOLOGY MAJOR

**REQUIREMENTS:** (1) Twenty-four semester hours in psychology: Psychology 201, 203, 303, 403 (or 404), 407 (or 410), and nine additional semester hours in psychology courses numbered 300 or higher, as approved by advisor. (2) Twelve semester hours in a related field approved by the major advisor (e.g., sociology, biology, economics).

Either Economics 305 or Mathematics 305 is required and may be counted toward the major in psychology.

Biology 101 and 104 are strongly recommended for prospective psychology students during their freshman year. Students who are considering entering graduate school to major in psychology should enroll in French and German, as a reading knowledge of at least one foreign language is expected.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Mathematics 101 or 105 .....	3	Mathematics 105 or 106 .....	3
Biology 101 and 111 .....	4	Biology 104 and 114 .....	4
German or French .....	3 or 4	German or French .....	3 or 4
Physical Education .....	1	Physical Education .....	1
Elective .....	3	Speech 200 .....	3
	<u>17 or 18</u>		<u>17 or 18</u>

## Sophomore Year

English 201 .....	3	English 202 .....	3
Psychology 201 .....	3	Psychology 203 and 301 .....	6
German or French .....	3	German or French .....	3
Biology 203 or 217 .....	4	Elective .....	3
Elective .....	3	Physical Education .....	1
Physical Education .....	1		
	<u>17</u>		<u>16</u>

## Junior Year

Psychology 302 and 303 .....	6	Psychology 403 or 404 .....	3
Economics 305 or Math 305 .....	4	Religion 101 .....	3
German or French .....	3	German or French .....	3
Biology 313 .....	3	Elective .....	6
	<u>16</u>		<u>15</u>

## Senior Year

Psychology 405 or 407 .....	3	Psychology 406 or 410 .....	3
Religion 102 .....	3	Social Science Elective .....	3
Electives .....	6	General Education 402 .....	3
		Elective .....	3
	<u>12</u>		<u>12</u>

## RELIGION MAJOR

Students who plan to major in religious education, or who plan to go into this field of work, should include at least 6 hours of religious education plus Religious Education 312 in their course.

**REQUIREMENTS:** Twenty-four semester hours of religion and philosophy, including Religion 101-102; Philosophy 301 and 302; Psychology 201 and three additional hours; History 203 and 204 or 101 and 102; Economics 204; Sociology 101; Education 102; Music 143 and 144; art, three hours; speech and drama, 3 hours.

**REQUIREMENTS IN RELIGIOUS EDUCATION:** Students who are preparing to work in this field without graduate study are expected to take the courses listed above plus Religious Education 210, 211, 310 and 312. In addition it is recommended that these students take (Church) Music 343 and 344.

## Freshman Year

Fall Semester		Spring Semester	
English 101 .....	3	English 102 .....	3
Religion 101 .....	3	Religion 102 .....	3
Mathematics 101 or 105 .....	3	Mathematics 106 .....	3
Foreign Language .....	3 or 4	Foreign Language .....	3 or 4
History 101 .....	3	History 102 .....	3
Physical Education .....	1	Physical Education .....	1
	<u>16 or 17</u>		<u>16 or 17</u>

## Sophomore Year

English 201 .....	3	English 202 .....	3
Foreign Language .....	3	Foreign Language .....	3
Natural Science with Lab .....	4	Natural Science with Lab .....	4
Art .....	3	Psychology 201 .....	3
Speech 200 .....	3	Speech .....	1 or 3
Physical Education .....	1	Physical Education .....	1
	<u>17</u>		<u>15 or 17</u>

## Junior Year

English .....	3	English .....	3
Religion .....	3	Religion .....	3
Economics 204 .....	3	Education 102 .....	3
Sociology 101 .....	3	Philosophy 302 .....	3
Philosophy 301 .....	3	Elective .....	3
	<u>15</u>		<u>15</u>

## Senior Year

English .....	3
Religion .....	3
Philosophy .....	3
Psychology .....	3
Elective .....	3
Music 143 .....	1
	<u>16</u>

English .....	3
Religion .....	3
General Education 402 .....	3
Music 144 .....	1
Electives .....	3
Speech .....	1 or 3
	<u>14 or 16</u>

## SPANISH MAJOR

REQUIREMENTS: Twenty-four hours beyond Spanish 202.

## Freshman Year

## Fall Semester

Spanish 101 or 201 .....	3 or 4
English 101 .....	3
Physical Education .....	1
Science with Lab .....	4
History 101 .....	3
Religion 101 .....	3
	<u>17 or 18</u>

## Spring Semester

Spanish 202 or 102 .....	3 or 4
English 102 .....	3
Physical Education .....	1
Science with Lab .....	4
History 102 .....	3
Religion 102 .....	3
	<u>17 or 18</u>

## Sophomore Year

Spanish 201 or 203 .....	3 or 4
English 201 .....	3
Physical Education .....	1
Math 101 or 105 .....	3
Social Science .....	3
Speech 200 .....	3
	<u>16 or 17</u>

Spanish 202 or 204 .....	3 or 4
English 202 .....	3
Physical Education .....	1
Math 106 .....	3
Social Science .....	3
Elective .....	3
	<u>16 or 17</u>

## Junior Year

Spanish .....	6
Philosophy 201 .....	3
Social Science .....	3
Electives .....	3 or 6
	<u>15 or 18</u>

Spanish .....	6
Philosophy 202 .....	3
Social Science .....	3
Electives .....	3 or 6
	<u>15 or 18</u>

## Senior Year

Spanish .....	6
General Education 402 .....	3
Humanities elective .....	3 or 6
	<u>12 or 15</u>

Spanish .....	6
Humanities electives .....	6 or 9
	<u>12 or 15</u>

## SPEECH MAJOR

REQUIREMENTS: Speech 101, 200, 201, 331, 403 (3 hours), and 27 hours from the following: Speech 111, 203, 205, 210, 220, 230, 307, 310, 312, 313, 401, 404, 410; English 415; Philosophy 201. Total: 40 hours for a B.A. in Speech.



## SUGGESTED COURSE PLANS

## Freshman Year

Fall Semester	
English 101 .....	3
Foreign Language .....	3 or 4
Science .....	4
Speech 101 .....	3
Physical Education .....	1
	<u>14 or 15</u>

Spring Semester	
English 102 .....	3
Foreign Language .....	3 or 4
Science .....	4
Speech 200 .....	3
Physical Education .....	1
	<u>14 or 15</u>

## Sophomore Year

English 201 .....	3
Foreign Language .....	3
Science .....	4
Speech 201 .....	3
Social Science .....	3
Physical Education .....	1
	<u>17</u>

English 202 .....	3
Foreign Language .....	3
Science .....	4
Speech elective .....	3
Social Science .....	3
Physical Education .....	1
	<u>17</u>

## Junior Year

Fine Arts 197 .....	3
Social Science .....	3
Religion 101 .....	3
Speech 331 .....	1
Speech electives .....	6
	<u>16</u>

Fine Arts 198 .....	3
Social Science .....	3
Religion 102 .....	3
Speech elective .....	6
	<u>15</u>

## Senior Year

English 415 .....	3
General Education 402 .....	3
Speech elective .....	6
	<u>12</u>

English 321 .....	3
Speech 403 .....	3
Speech electives .....	6
	<u>12</u>

## TEACHER EDUCATION CURRICULUM

Candidates for certification as undergraduates may choose at the time for application for a degree, the degree, major and curriculum of these:

1. B.S., B.A. and B.M. in a regular academic subject major. This is the conventional degree, major and curriculum for a departmental or divisional major. In addition to these requirements for certification, however, he must satisfy the teacher education curriculum requirements for certification as they apply to his major department. On his transcript will appear the statement, "The student has graduated in a teacher education curriculum in Secondary Education."

2. a. B.S. in Elementary Education. In this case both the degree and major are in education and will be indicated as such on diploma and transcript. The requirements of the teacher education curriculum leading to certification must be satisfied.

b. B.S. in Education. This degree will be granted to a person who completes the requirements for the teacher education curriculum for at least one field of specialization as outlined on pp. 106-113. It is suggested that students qualify for one or more additional areas of certification.

3. College graduates who seek certification by completing such requirements at Centenary College, but who cannot achieve certification by reciprocity or by some other individualized plan approved by the State Department of Education must complete one of the plans above, but need not graduate again nor earn another degree.

4. Certification choices in teacher education are for the primary certification. A second certificate may be obtained by meeting the State minimum requirements in one of these programs.

5. Unspecified courses must have approval of advisor.

6. A student enrolled in student teaching cannot take more than a total of 13 hours.

#### LOWER AND UPPER ELEMENTARY

##### Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics* .....	6
Science with lab.** .....	8
Physical Education .....	2
Speech 200 .....	3
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	33

##### Sophomore Year

English 201-202 or 203-204.....	6
Science with lab.** .....	4
History 205 .....	3
Physical Education .....	2
Education 102, 205, 200 .....	9
Psychology 301 .....	3
Speech 101 .....	3
Music 121 or 122 .....	3
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	33

##### Junior Year

Geography .....	3
Religion 101, 102 .....	6
Social Studies .....	6
Education 311-312 .....	6
Physical Education 239 .....	2
Physical Education, Theory .....	2
Education 206 .....	3
History 207 (Upper Elementary) ..	3
Elective (Lower Elementary) .....	3
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	31

##### Senior Year

General Education 402 .....	3
Education 411 .....	3
Education 400 or 401 .....	6
Education 410 .....	1
Social Studies .....	3
***Electives from courses numbered 200, 300, 400 .....	14
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	30

<sup>1</sup>(Students take either History 207 or Elective)

\*Students may substitute Education 103, Mathematics for Teachers, for one of the required mathematics courses.

\*\*This requirement in science includes at least four hours of biological science and four hours of physical science.

\*\*\*Students may elect courses, throughout their entire program, to bring their semester load up to 18 hours per semester with their advisor's approval.

## SUGGESTED COURSE PLANS

## ART

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics* .....	6
Physical Education .....	2
Art 101, 102, 103-104 .....	12

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 34

## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Social Science .....	6
Methods: Education 321 .....	3
Psychology 302 .....	3
Art 301 or 302 .....	3
Art 303-304 .....	6

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 35

\*See your advisor.

## Sophomore Year

English 201-202 .....	6
Science with lab.* .....	4
History 205, 206 .....	6
Physical Education .....	2
Education 102 .....	3
Education 206, 200 .....	6
Art 203-204 .....	6
Speech 200 .....	3

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 36

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Art 307, 401-402 .....	9
Elective .....	12

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 31

## BIOLOGY

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics* .....	6
Physical Education .....	2
Biology 101, 102, 111, 112 .....	8
Speech 200 .....	3

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 33

## Junior Year

Religion 101, 102 .....	6
Social Studies .....	6
Education 321 .....	3
Psychology 302 .....	3
Physics 201-202 or 101-102 .....	8
Chemistry 201-202 .....	8

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 34

\*See your advisor.

## Sophomore Year

English 201-202 .....	6
History 205, 206 .....	6
Physical Education .....	2
Education 102, 200 .....	6
Chemistry 101-102, 111-112 .....	8
Biology 104, 114 .....	4

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 32

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Biology 201, 202, 203, 210, 217, 305, 306, 313, 315 (Select 19 hours) .....	19
Elective .....	3

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 32

## BUSINESS EDUCATION MAJOR

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics .....	6
Physical Education .....	2
Education 102 .....	3
Business 161-162, 165, 166 .....	10

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 35

## Sophomore Year

English 201-202 .....	6
Science with lab** .....	4
Economics 201-202 .....	6
Education 200 .....	3
Business 263 or 264 .....	3
Business 265 or 266 .....	2
Business 103, 104 .....	6
Physical Education .....	2
History 205 .....	3

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 35



## Junior Year

Science with lab**	8
Religion 101, 102	6
Education 321	3
Psychology 302	3
Business 205, 321, 323, 324	12
History 206	3

35

\*\*The requirement in science includes at least four hours of biological science and four hours of physical science.

## Senior Year

General Education 402	3
Education 422	6
Education 410	1
Business 346	3
Economics 305, 329	7
Speech 200	3
Electives	9

32

## CHEMISTRY

## Freshman Year

English 101-102	6
Foreign Language	8
Math 101 or 105, 106	6
Physical Education	2
Biology 101, 102, 111, 112	8
Speech 200	3

33

## Sophomore Year

English 201-202	6
History 205, 206	6
Physical Education	2
Education 102, 200	6
Chemistry 101-102, 111-112	8
Mathematics 201	3

31

## Junior Year

Religion 101, 102	6
Social Studies	6
Education 321	3
Psychology 302	3
Physics 201, 202	8
Chemistry 201, 202	8

34

## Senior Year

Electives	3
General Education 402	3
Education 422	6
Education 410	1
Chemistry 215	4
Math and Science electives from courses numbered 200 or above	15

32

## ENGLISH

## Freshman Year

English 101-102	6
Foreign Language	8
Mathematics*	6
Physical Education	2
Electives	12

34

## Sophomore Year

English 201-202	6
Science with lab.*	4
History 205, 206	6
Physical Education	2
Education 102, 200	6
English 203 or above	3
English 242	3
Electives	6

36

## Junior Year

Science with lab.*	8
Religion 101, 102	6
Social Science	6
Education 321	3
Psychology 302	3
English 300 or above*	6
Speech 200	3

35

## Senior Year

General Education 402	3
Education 422	6
Education 410	1
English 400 or above*	6
Electives	15

31

\*See your advisor.

## SUGGESTED COURSE PLANS

## FRENCH AND LATIN

## Freshman Year

English 101-102 .....	6
French 101-102 .....	8
Latin 101-102 .....	6
Mathematics* .....	6
Physical Education .....	2
Speech 200 .....	3
Elective .....	3
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	34

## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Social Science .....	6
Education 321 .....	3
Psychology 302 .....	3
French 301-302, 401 .....	9
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	35

\*See your advisor.

## Sophomore Year

English 201-202 .....	6
Science with lab.* .....	4
History 205, 206 .....	6
Physical Education .....	2
Education 102 .....	3
Education 200 .....	3
Latin 201-202 .....	6
French 201-202 .....	6
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	36

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
French 403, 405, 406 .....	9
Electives .....	12
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	31

## GENERAL SCIENCE

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics* .....	6
Physical Education .....	2
Biology 101, 102, 111, 112 .....	8
Speech 200 .....	3
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	33

## Junior Year

Religion 101, 102 .....	6
Social Studies .....	6
Education 321 .....	3
Psychology 302 .....	3
Physics 201-202 or 101-102 .....	8
Astronomy .....	3
Science elective .....	4
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	33

\*See your advisor.

## Sophomore Year

English 201-202 .....	6
History 205, 206 .....	6
Physical Education .....	2
Education 102, 200 .....	6
Chemistry 101-102, 111-112 .....	8
Electives .....	3
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	31

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Geology 101, 111 .....	4
Science elective .....	4
Electives .....	12
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	30

## GERMAN AND LATIN\*\*

## Freshman Year

English 101-102 .....	6
German 101-102 .....	8
Latin 101-102 .....	6
Mathematics* .....	6
Physical Education .....	2
Electives .....	6
	<hr/>
	34

## Sophomore Year

English 201-202 .....	6
Science with lab* .....	4
History 205, 206 .....	6
Physical Education .....	2
Education 102 .....	3
Education 200 .....	3
Latin 201-202 .....	6
German 201-202 .....	6
	<hr/>
	36

## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Social Science .....	6
Education 321 .....	3
Psychology 302 .....	3
German 301-302 .....	6
Speech 200 .....	3
	<hr/> 35

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
German 401-402 .....	6
Electives .....	15
	<hr/> 31

\*See your advisor.

\*\*Substitute 14 hours of another language for the requirements in Latin of 12 hours in any of the foreign language combinations.

## MATHEMATICS

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics 101, 105, 106 .....	6
Physical Education .....	2
Electives .....	12
	<hr/> 34

## Sophomore Year

English 201-202 .....	6
Science with lab.* .....	4
History 205, 206 .....	6
Physical Education .....	2
Education 102, 200 .....	6
Mathematics 201, 202 .....	6
Electives .....	6
	<hr/> 36

## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Social Science .....	6
Education 321 .....	3
Psychology 302 .....	3
Mathematics 303, 304, 305, 306 .....	6
Speech 200 .....	3
	<hr/> 35

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Mathematics 401, 402, 404, 406 .....	6
Electives .....	15
	<hr/> 31

\*See your advisor.

Requirements for the Bachelor of Music Degree in Music Education are prescribed below and on pp. 70-72:

## BACHELOR OF MUSIC DEGREE

## Music Education Major

## Vocal Music

## Freshman Year

Voice, 181-182 .....	3-3
Music Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 .....	1-1
Introduction to Music History and Literature, 141-142 .....	2-2
Ensemble (Choir) .....	1-1
English, 101-102 .....	3-3
Math .....	3-3
Physical Education .....	1-1
	<hr/> 34

## Sophomore Year

Voice, 281-282 .....	3-3
Music Theory, 211-212 .....	3-3
Keyboard Harmony 213-214 .....	1-1
Analysis of Musical Forms, 215-216 .....	3-3
Piano, 181 .....	3-3
Ensemble (Choir) .....	1-1
English .....	3-3
Education, 102 .....	3
Physical Education .....	1-1
	<hr/> 39



## Junior Year

Voice, 381-382 .....	3-3
Music Education, 321 .....	1
Music History, 341-342 .....	3-3
Choral Conducting, 327-328 .....	1-1
Education, 200 .....	3
Psychology, 302 .....	3
Piano, 182, 281 .....	3-3
Science .....	4
Social Science .....	3
	<u>34</u>

## Senior Year

Voice Teaching Methods, 435-436..	2-2
Piano, 282 .....	3
Practice Teaching, 421-423 .....	2-2
Social Science .....	3
Religion .....	3-3
Science .....	4-4
General Education, 402 .....	3
American History .....	3
Education, 410 .....	1
	<u>35</u>

## BACHELOR OF MUSIC DEGREE

## Music Education Major

## Instrumental Music

## Freshman Year

Major Applied, 181-182 .....	3-3
Theory, 111-112 .....	3-3
Keyboard Harmony, 113-114 .....	1-1
Intro. to Music History and Literature, 141-142 .....	2-2
Ensemble (Band and Orchestra) ..	1
Piano, 171-172 .....	1-1
English, 101-102 .....	3-3
Math .....	3-3
Physical Education .....	1-1
	<u>35</u>

## Sophomore Year

Major Applied, 281-282 .....	3-3
Theory, 211-212 .....	3-3
Keyboard Harmony, 213-214 .....	1-1
Analysis of Musical Forms, 215-216 .....	3-3
Education, 102 .....	3
Piano, 271-272 .....	1-1
English .....	3-3
Science .....	4
Physical Education .....	1-1
	<u>37</u>

## Junior Year

Major Applied, 381-382 .....	3-3
Music Education, 321 .....	1
Music History, 341-342 .....	3-3
Minor Instrument, 331-333 .....	2-2
Education, 200 .....	3
Psychology, 302 .....	3
American History .....	3
Orchestration, 411-412 .....	2-2
Conducting, 325-326 .....	1-1
Ensemble (Band or Orchestra) ...	1-1
Social Science .....	3
	<u>37</u>

## Senior Year

Methods, 437-438 or 439-440 .....	2-2
Practice Teaching, 421-423 .....	2-2
Ensemble (Band or Orchestra) ...	1
Minor Instrument, 335-337 .....	2-2
Social Science .....	3-3
Religion .....	3-3
Science .....	4-4
General Education, 402 .....	3
Education, 410 .....	1

37

Out of the 12 hours' total requirement in science, at least two semesters of a laboratory science must be taken. Also, at least one semester of biology is required.

The above curricula qualify the student for a certificate in vocal or instrumental music. Students desiring a combined vocal and instrumental certificate must take an additional twenty hours of applied music outside their major field and four more hours of appropriate methods. This necessitates either a fifth year of study or summer work. Minor instrument requirements may be satisfied either in the courses shown above or in private lessons.

Students seeking teacher certification must register with the Department of Education at Centenary College during the sophomore year and pass Admissions Committee.

If piano proficiency examination is not passed at the end of four semesters, additional piano must be taken.

### PHYSICAL EDUCATION

#### Freshman Year

English 101-102 .....	6
Biology 101, 111 & 104, 114 .....	8
Mathematics* .....	6
Foreign language .....	8
Physical education activity 101, 102 or 115, 116 .....	2
Speech 200 .....	3
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	33

#### Junior Year

Social Science .....	6
Psychology 302 .....	3
Education 321 .....	3
Religion 101, 102 .....	6
Physical Education 222, 225, 321, 323 .....	11
Physical Education 325 & 326 (men) .....	6
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	35

\*See your advisor.

#### Sophomore Year

English 201-202 .....	6
History 205, 206 .....	6
Biology 217 and lab .....	4
Physical science (Chemistry, Geology or Physics) with lab ....	4
Education 102 and 200 .....	6
Physical Education 223 and 224 ....	6
Physical Education activity 201, 202 (men) or 215, 216 (women) .....	2
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	34

#### Senior Year

Education 422 and 410 .....	7
Gen. Education 402 .....	3
Physical Education 221, 330, 332 or 334, 342, 423, 424, 428 .....	19
Physical Education 341 (women) ..	3
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	32

### PHYSICS

#### Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Math 101 or 105, 106 .....	6
Physical Education .....	2
Biology 101, 102, 111, 112 .....	8
Speech 200 .....	3
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	33

#### Junior Year

Religion 101, 102 .....	6
Social Studies .....	6
Education 321 .....	3
Psychology 302 .....	3
Chemistry 101-102, 111-112 .....	8
Physics elective .....	3
Mathematics 303 .....	3
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	32

#### Sophomore Year

English 201-202 .....	6
History 205, 206 .....	6
Physical Education .....	2
Education 102, 200 .....	6
Physics 201-202 .....	8
Math 201, 202 .....	6
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	34

#### Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Physics 301-302 .....	8
Physics 311-312, 313-314 .....	8
Mathematics 402 .....	3
Physics 305 .....	3
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	32

## SOCIAL STUDIES

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics* .....	6
Physical Education .....	2
History 101, 102 .....	6
Sociology 103 .....	3
Speech 200 .....	3
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34	

## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Government 201 .....	3
Education 321 .....	3
Psychology 302 .....	3
Elective .....	12
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35	

\*See your advisor.

## Sophomore Year

English 201-202 .....	6
Science with lab.* .....	4
History 205, 206, 207 .....	9
Physical Education .....	2
Education 102 .....	3
Education 200 .....	3
Geography 205 .....	3
Economics 201-202 .....	6
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36	

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Select 6 hours from 300-400 level in Sociology, Economics, Government or History .....	6
Elective .....	15
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31	

## SPANISH AND LATIN

## Freshman Year

English 101-102 .....	6
Spanish 101-102 .....	8
Latin 101-102 .....	6
Mathematics* .....	6
Physical Education .....	2
Speech 200 .....	3
Elective .....	3
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34	

## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Social Science .....	6
Education 321 .....	3
Psychology 302 .....	3
Spanish 301-302, 401 .....	9
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35	

\*See your advisor.

## Sophomore Year

English 201-202 .....	6
Science with lab.* .....	4
History 205, 206 .....	6
Physical Education .....	2
Education 102 .....	3
Education 200 .....	3
Latin 201-202 .....	6
Spanish 201-202 .....	6
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36	

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Spanish 402, 421, 422 .....	9
Elective .....	12
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31	

## SPEECH

## Freshman Year

English 101-102 .....	6
Foreign Language .....	8
Mathematics* .....	6
Physical Education .....	2
Speech 101, 111, 200 .....	9
Elective .....	3
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34	

## Sophomore Year

English 201-202 .....	6
Science with lab.* .....	4
History 205, 206 .....	6
Physical Education .....	2
Education 102, 200 .....	6
Speech 201, 203, 205 .....	9
Elective .....	3
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36	



## Junior Year

Science with lab.* .....	8
Religion 101, 102 .....	6
Social Science .....	6
Education 321 .....	3
Psychology 302 .....	3
Speech 210, 220, 331 .....	9
	<hr/> 35

## Senior Year

General Education 402 .....	3
Education 422 .....	6
Education 410 .....	1
Speech 401, 403 .....	5
Elective .....	15
	<hr/> 30

\*See your advisor.

## PRE-PROFESSIONAL CURRICULA

### COMBINED LIBERAL ARTS AND ENGINEERING PROGRAM

Centenary College has entered into cooperative agreements with Louisiana Polytechnic Institute, Texas A & M College, Columbia University, and University of Arkansas, for the purpose of offering a curriculum designed to lead young men through the liberal arts area into technical courses of the engineering profession. Other engineering schools are to be added to the program from time to time.

This agreement establishes at Centenary a three-year program in pre-engineering, after which the student may elect to transfer to an engineering school for two additional years where he will pursue one of the many engineering options available. At the end of his engineering training he will receive a degree from both Centenary College and the engineering school of his choice.

Member institutions will undertake to accept any student who completes the program as prescribed at Centenary and who is recommended by the faculty thereof. A student who maintains a "B" average in science and mathematics courses at Centenary can expect such recommendations and acceptance.

The Liberal Arts-Engineering combined program adds a full year to the normal four-year course leading to the bachelor degree. However, we feel that sufficient benefit will come to the student who takes the extra year and earns two degrees instead of one.

To the prospective engineer are offered the extra advantages of a broader scope of education provided by the three-year phase of the program at Centenary. His contact with students and faculty who have wide differences of background and experience will have a lasting effect on his future. His many opportunities to participate in a great variety of extra-curricular activities and social events of the liberal arts campus and to absorb the many benefits of culture and fine arts and music will enrich the student's after-life outside his profession.

The student who is considering the field of engineering, but for some reason is not quite sure of a final choice, will find the combined program ideal as it provides a chance to continue his educational program without making a final decision of a profession as he starts his education. At the end of two years if he has decided on his profession, he will continue the program he started in his freshman year. If,

however, he has decided against engineering as a profession, he can proceed at the start of the junior year into a more appropriate field of education without loss of time or credit.

The program at Centenary will be generally in three areas: mathematics, science and the general liberal arts fields. No attempt is made to establish an absolute curriculum since various professional fields of engineering will have certain requirements and the student may have freedom of choice in general requirements. The following are the recommended courses to be completed in the Centenary phase of the program:

#### IN THE SCIENCES:

Chemistry .....	1 year
Physics .....	2 years
Mathematics .....	through calculus

#### GENERAL LIBERAL ARTS:

English composition .....	1 year
Literature .....	1 year
Religion .....	1 year
Philosophy .....	1 semester
Art Appreciation .....	1 semester
Social Science .....	4 semesters
of two of the following: economics, history, government or sociology	
Foreign Language .....	Proficiency equal to completion of the second year at Centenary.
Physical Education .....	2 years
Speech 200	

### PRE-FORESTRY CURRICULUM

Centenary College offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Science degree from Centenary College and the professional degree of Master of Forestry from the Duke School of Forestry.

A student electing to pursue this curriculum spends the first three years in residence at Centenary College. Here he obtains a sound education in the humanities and other liberal arts in addition to the science basic to forestry. Such an education does more than prepare a student for his later professional training; it offers him an opportunity to develop friendships with students in many fields, expand his interests, broaden his perspective and fully develop his potentialities.

The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry. Since Duke offers forestry courses only to seniors and graduate students, the student from Centenary finds himself associating with a mature student body. He is well prepared for further personal and professional development.

Candidates for the forestry program should indicate to the Director of Admissions of Centenary College that they wish to apply for the Liberal Arts-Forestry Curriculum. Admission to the college is granted under the same conditions as for the other curricula. All students should earn during the first three years of this program a quality point average of at least 2.5. At the end of the first semester of the third year the college will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his academic record at Centenary. No application need be made to the School of Forestry prior to this time.

The following course of study indicates the nature of work to be taken under this program. Each student selects one of the curricula indicated for the fifth year.

### PRE-FORESTRY CURRICULUM AT CENTENARY COLLEGE

First Year	Semester	Hours
Religion 101, 102 .....	3	3
English 101-102 .....	3	3
Chemistry 101-102; 111-112 .....	4	4
Mathematics 101 or 106 and 106 or 201 .....	3	3
History 101, 102 .....	3	3
Physical Education .....	1	1
	<u>17</u>	<u>17</u>

Second Year		
Foreign Language .....	4 (3)	4 (3)
Biology 101-102; 111-112 .....	4	4
Economics 201-202 .....	3	3
American Literature 203-204 .....	3	3
Speech 101, 200 .....	3	3
Physical Education .....	1	1
	<u>17-18</u>	<u>17-18</u>

Third Year		
Foreign Language .....	3	3
Physics 101-102 or 201-202 .....	4	4
Philosophy 201-202 .....	3	3
Biology 303 or 407 .....	4	
Biology 202 or 210 .....		4
General Education 402 .....	3	
Elective .....	<u>17</u>	<u>3</u>
		<u>17</u>

### PROFESSIONAL FORESTRY CURRICULA AT THE DUKE SCHOOL OF FORESTRY

#### Summer Forestry Field Work (Pre-requisite to fourth year course)

Plane Surveying .....	4
Forest Surveying .....	3
Forest Mensuration .....	4
	<u>13</u>



Fourth Year

Dendrology; Forest Pathology .....	3	3
Anatomy of Wood; Sampling Methods .....	3	3
Forest Soils; Silvics .....	3	3
Economics of Forestry .....	3	
Harvesting and Processing Forest Products .....		4
Electives .....	3	2
	<u>15</u>	<u>15</u>

Fifth Year

General Forestry Curriculum	
Forest Entomology .....	3
Silviculture .....	3
Applied Silviculture .....	3
Forest Protection .....	3
Forest Management .....	3
Thesis Research & Elective ....	3 9
Soils and Silviculture	
Spring Trip .....	1
Forest Valuation .....	3
Management Plans .....	2
	<u>15 15</u>

Forest Products Curriculum

Seasoning and Preservation ....	3
Silviculture .....	3
Forest Management .....	3
Advanced Forest Utilization ....	3
Thesis Research & Electives ....	3 9
Forest Products Entomology ...	3
Properties of Wood .....	3
Industrial Engineering .....	3
	<u>15 15</u>

PRE-LAW CURRICULUM

A suggested two-year course preparatory to the study of law is listed below:

FRESHMAN YEAR:

English 101-102 .....	6
History 101, 102 .....	6
Science .....	8
Foreign Language .....	6 or 8
Mathematics 101, 106 .....	6
Physical Education .....	2
	<u>34</u>

SOPHOMORE YEAR:

Government .....	6
Psychology or Sociology	
or Logic .....	6
Economics 201-202 .....	6
Foreign Language .....	6
English 201-202 .....	6
Physical Education .....	2
	<u>32</u>

For a four-year pre-law course, a major and minor should be selected from the following departments: Economics and Business, History and Government, Psychology, and Sociology.

Students who complete a total of one hundred semester hours, including all specified requirements for graduation in three years of residence and who then enroll in an accredited school of law, may, upon satisfactory completion of one year of work in that school, transfer this professional credit to Centenary College and receive a baccalaureate degree.

MEDICAL TECHNOLOGY CURRICULUM

Some of the schools of medical technology on the approved list of the American Medical Association admit students with a minimum of three years of college work, but the majority require a college degree.

The curriculum outlined below may be used to meet the basic requirements for admission after three years, or a B.S. degree in four years, or a B.S. degree in Medical Technology after three years followed by twelve months of work in a hospital school approved by the American Society of Clinical Pathologists and Centenary College.

### FRESHMAN YEAR

#### FIRST SEMESTER:

Biology 101, 111 .....	4
Chemistry 101, 111 .....	4
English 101 .....	3
Mathematics 101 or 106 .....	3
Physical Education .....	1
	<u>15</u>

#### SECOND SEMESTER:

Biology 104, 114 .....	4
Chemistry 102, 112 .....	4
English 102 .....	3
Mathematics 106 or 201 .....	3
Physical Education .....	1
	<u>15</u>

### SOPHOMORE YEAR

Biology 217 or 203 .....	4
Chemistry 201 .....	4
English 201 .....	3
Social Science .....	3
Foreign Language 201 .....	3
Physical Education .....	1
	<u>18</u>

Biology 302 or 306 .....	4
Chemistry 202 .....	4
English 202 .....	3
Social Science .....	3
Foreign Language 202 .....	3
Physical Education .....	1
	<u>18</u>

### JUNIOR YEAR

Biology 313 or 401 .....	3 or 4
Physics 201 or 101 .....	4
Social Science .....	3
Religion 101 .....	3
Chemistry 215 .....	4
	<u>18</u>

Biology 306 or 302 .....	4
Physics 202 or 102 .....	4
Social Science .....	3
Religion 102 .....	3
General Education 402 .....	3
	<u>17</u>

### SENIOR YEAR

Additional courses in biology, along with sufficient electives in other fields, may be taken to qualify for a B.S. Degree in Biology or the student may transfer to an approved hospital school as stated above and after the satisfactory completion of a minimum of thirty (30) semester hours be granted the B.S. Degree in Medical Technology.

### PRE-DENTAL AND PRE-MEDICAL CURRICULUM

A minimum of three years of pre-professional training is required for admission to most dental and medical schools and many require a college degree. The student should, therefore, direct his course of study towards a degree and become acquainted as soon as possible with the prerequisites of the professional school he wishes to attend.

The B.S. degree may be obtained with either a departmental or divisional major. Students who have satisfactorily completed 114 semester hours of this curriculum in residence, and who have met all other requirements for graduation, may receive the B.S. degree after

the successful completion of the first year of medical school. Not more than ten semester hours of credit earned in the professional school may be applied towards the degree; these must not duplicate those taken in the pre-medical program.

The following curriculum is recommended:

#### FRESHMAN YEAR:

Biology 101, 104, 111, 114 .....	8
Chemistry 101-102, 111-112 .....	8
English 101-102 .....	6
Mathematics 105, 106 .....	6
Physical Education .....	2
	<u>30</u>

#### SOPHOMORE YEAR:

Biology 203, 204 .....	8
Chemistry 201-202 .....	8
English 201-202 or 203-204 .....	6
French or German .....	6 or 8
Elective Group II .....	3 or 6
Physical Education .....	2
	<u>33 or 38</u>

#### JUNIOR YEAR:

Chemistry 215 .....	4
Physics 201-202 or 101-102 .....	8
Religion 101, 102 .....	6
Foreign Language .....	6
Elective Group I or II .....	10
	<u>34</u>

#### SENIOR YEAR:

Complete requirements for B.S.  
Degree.

#### ELECTIVE:

##### Group I.

Biology 210, 305, 313, 314, 306.

Chemistry

Physics.

##### Group II.

Psychology 201, 205.

Economics 204.

Government 201.

Philosophy 201.

History 101, 102.

Sociology 101.

Speech 101, 200

Art 101, 102.

Music Appreciation 143-144

Business 165

## OTHER MEDICAL FIELDS

Preparatory programs are offered for the following fields of medicine: osteopathy, pharmacy, physical therapy, and veterinary medicine.

## THE DIVISIONAL MAJORS

### The Humanities

Lee Morgan, Ph.D., Chairman

The Humanities Division comprises the Departments of Art, Religion English, Foreign Languages (French, German, Latin, Spanish, Russian), Philosophy, and Speech and Drama, and the School of Music.

A divisional humanities major will be a candidate for a B.A. Degree, and must complete the courses prescribed for all students, plus the following:

**HUMANITIES:** Eighty hours from among the Departments of Art, English, Foreign Languages, Religion, and Speech and Drama,



and from the School of Music; these eighty hours may include the prescribed work for all students.

**SOCIAL SCIENCES:** Fifteen semester hours with 6 hours taken in each of two of the following departments: Economics and Business, Education, History and Government, Psychology, or Sociology; these 15 hours take the place of the 12 hours prescribed for all students.

**MUSIC:** Six hours, in any combination of Music 441, 442 and Applied Music.

**ART:** Any six hours.

**SPEECH AND DRAMA:** Any six hours.

**COMPARATIVE LITERATURE:** Six hours.

## The Natural Sciences

Leo Raub, Ph.D., Chairman until February 1964

Wayne Hanson, Ph.D., Chairman since February 1964

The Division of Natural Sciences includes the Departments of Biology, Chemistry, Geology, Mathematics, and Physics and Engineering Sciences.

The divisional major, with considerable requirements in both biology and chemistry, is designed to meet the needs of pre-medical students, pre-dental students and those interested in related medical sciences.

A divisional natural science major will be a candidate for a B.S. Degree and must complete the courses prescribed for all students, plus the following:

### NATURAL SCIENCE:

Seventy hours taken in not more than four departments; these 70 hours may include the courses prescribed for all students.

### SOCIAL SCIENCE:

Fifteen hours, with six hours taken in one of the following departments: Economics 123, 201-202, 204, Education 102, Geography, Government, History, Psychology, and Sociology.

## The Social Sciences

W. Ferrell Pledger, Ph.D., Chairman

The Division of Social Sciences includes the Departments of Economics and Business, Education and Psychology, History and Government, Physical Education, and Sociology.

The divisional major is recommended for those planning to enter professional schools of law and for persons who do not plan to continue their studies beyond the baccalaureate degree.

A divisional social science major will be a candidate for a B.A. Degree and must complete the courses prescribed for all students plus the following:

**SOCIAL SCIENCE:** The sixty-five hours required by the division must include seventeen or eighteen semester hours in each of three subjects within the Social Science Division. A minimum of twenty-seven hours (40%) of the sixty-five hours required in the social sciences for the divisional major must be in the 300 or 400 courses. Students must take at least six (6) hours of social science from the following courses: Economics 123, 201-202 (or 204), education, geography, government, history, psychology, sociology.

A divisional major in the social sciences who selects any three of the following subjects should take the courses in those subjects here indicated:

**BUSINESS:** Business 103-104, 323-324, 321 (or 346), and Economics 329.

**ECONOMICS:** Economics 201-202 and any 12 hours or 300 and 400 numbered courses.

**EDUCATION:** At least nine hours must be at the 300 and 400 numbered level.

**HISTORY:** Not more than six hours at the 100 numbered level; at least 6 hours at the 300 and 400 numbered level.

**PHYSICAL EDUCATION:** Physical Education 223, 225, 321, 423, 424, 428 (or 239).

**PSYCHOLOGY:** Psychology 201, 203, 303, 305, and 403 (or 404).

**SOCIOLOGY:** Sociology 101, 201, 202, 302, 401, 402.





*Top: Students gathered at the side entrance to Brown Memorial Chapel. The Library tower is in the background and the side of the Mickle Hall of Science on the left.*



*Chemistry laboratory*



PART IV.  
ADMINISTRATION OF THE  
CURRICULUM



*The side of Cline Dormitory for Men seen across a portion of the Crumley Gardens*

### **Changes of Schedule, Drops, and Withdrawals**

After registration day, classes may be dropped or added only by permission of the instructors concerned and with the approval of the Dean. Requests to drop or add courses should be made only for exceptional reasons.

Because a student cannot make proper progress in a course if he enters when it is well under way, a limit on late enrollment is set. A student is not permitted to enroll in a course for credit later than the date indicated in the official calendar. A fee for late registration is charged.

A student may be dropped for cause from any course at any time on recommendation of the instructor and approval of the Dean. Sufficient causes for such dropping include lack of preparation, neglect, unwholesome attitude, improper conduct in the classroom, and excessive absences.

Forms for adding and dropping courses may be obtained at the office of the Dean. The form must (1) be filled out by the student; (2) be signed by the instructor concerned; (3) be approved by the Dean. It is the student's responsibility to see that all steps in this process are taken before the deadline noted above and published in the official calendar. A fee is charged for a change of course.



If a student drops a course after the last day for dropping a course without penalty (see official calendar), he will receive a "DF" in that course; he cannot after that date change from "credit" to "audit."

Forms for withdrawal may be obtained at the office of the Dean. If, for reasons beyond his control, a student must withdraw from college, his withdrawal must be approved by the dean and the withdrawal entered on the student's permanent record. **FAILURE TO ATTEND CLASS DOES NOT CONSTITUTE WITHDRAWAL.** A student who does not complete the process of withdrawal will receive "F" in all courses in which he is enrolled when he leaves college. No notice of interruption of work or of withdrawal from college is official unless it is received in writing from the person concerned. It becomes effective only on the date it is received by the college, no matter when it may have been written.

If a student withdraws from college after the last day for dropping a course without penalty (see official calendar), he will receive a grade of "WP" or "WF" on each course.

### **Absences**

A student is expected to attend every meeting of his classes unless prevented by circumstances beyond his control. A student who is absent more than four times in a class which meets three times a week, or more than three times in a class which meets twice a week, may, at the option of the instructor, be dropped from that course or required to take a reinstatement examination before being permitted to continue it. Students frequently absent from class either with or without good reason may be assigned extra work at the discretion of the instructor.

A student who is absent from a week's consecutive class meetings will be reported by the instructor to the Dean's Office, where the reason for his absence will be investigated.

In case of absence for reasonable cause, it is the student's responsibility to explain the circumstances to the instructor.

A student absent from the final examination will receive "F" in the course unless he can show that the cause of absence was beyond his control. Students prevented from taking examinations by such circumstances must get word to the instructor or to the Dean before the final grade of "F" is reported to the Registrar.

### **Credits, Grades and Quality Points**

Credit for college work at Centenary is expressed in semester credit hours. Most courses meet either three times a week for a fifty-minute period or twice a week for a seventy-five-minute period. Such courses carried successfully for one semester will earn three semester credit hours; like courses carried for a year, six semester credit hours.



Courses in laboratory science, physical education activity, art, typewriting, engineering drawing, and the like, where emphasis lies principally upon the attainment of skill and dexterity rather than upon intellectual development, ordinarily meet three hours a week for one semester credit hour.

At the end of each semester, letter grades are given in each course. These grades, and their approximate percentage equivalent are "A," 93 to 100; "B," 85 to 92; "C," 78 to 84; "D," 70 to 77; and "F," below 70. "A," "B," "C," and "D," are passing grades and establish credit in the course taken. "F" signifies failure. No credit is given for a course in which an "F" has been received.

Under extraordinary circumstances, a temporary grade may be given at the end of a semester. It will be either an "E" or a "P." "E" signifies conditional failure and is given when, in the instructor's opinion, distracting influences of a purely temporary kind and over which the student has little control have worked to make him fall below 70%. An "E" may be converted to a passing grade no higher than a "D" within the semester after it was received by any method or assignment judged satisfactory by the instructor. "P" is a non-penalty grade signifying postponement. It is given only to students in good scholastic standing who because of illness or other cause beyond their control are unable to complete the work of the course in the scheduled time. A "P" may be converted to any passing grade within the semester after it was received by completing the work of the course to the instructor's satisfaction. Either an "E" or a "P" not converted to a permanent grade will be recorded as an "F" after one semester.

Although his grade indicates the quality of a student's work in a particular course, to measure the quality of his academic work as a whole, it is needful to take the average of the grades received in all his courses. This calculation is facilitated by the assignment of "Quality Points" to each letter grade as follows: "A" represents four Quality Points per semester credit hour; "B," three; "C," two; "D," one; and "F," none. The temporary grade "E" is counted as "D" and any grade of "P" is omitted in making such calculation.

### **Minimum Scholastic Requirement**

Academic Probation results when a student fails to maintain a 2.00 point average. Academic suspension results when a student has three consecutive semesters each of which is below a 2.00 average, or when he has two semesters each of which is below a 1.00 average. If a student is admitted on probation, he has only one semester in which to achieve a 2.00 point overall average, and get off probation. Also a student who disregards his academic responsibility may be suspended at the discretion of the Dean of Students and the Dean of the College.

To get off probation a regular student must achieve a 2.00 point average on all his work for the semester. A regular student cannot

get off probation unless he takes a full load of 12 hours, or more, except that in summer school 8 hours or more will be considered a full load. A Centenary probation may be removed only at Centenary.

The same rules regarding averages, academic probation, and suspension obtain for special or part-time students and for students in the Evening Division. To get off probation a special or part-time student must achieve a 2.00 average on all his work for the semester, or for the summer session in which he is enrolled.

The suspended student may apply for readmission after one semester, but without assurance of being accepted.

### **Chapel Attendance**

All regular students are required to attend the weekly chapel services and student assemblies. For details concerning the administration of this requirement, see "General Education 121," p. 57.

### **Classification**

A "regular student" is defined as one enrolled in twelve or more semester credit hours.

Regular students who have met all specific requirements for the standing claimed are classified as follows, according to the number of semester credit hours they have earned:

Freshmen are those with less than twenty-seven semester credit hours.

Sophomores are those with twenty-seven to fifty-one.

Juniors are those with sixty to eighty-nine.

Seniors are those with ninety or more.

### **Freshman and Sophomore Programs**

First year students must enroll in English, physical education activity and other general subjects recommended by their faculty advisors. Second year students must enroll in English, physical education activity and other subjects prescribed in their particular areas of study. These requirements apply to all students whether they plan to graduate at Centenary or not.

### **Advanced Standing**

Students who have received "F" in a course will not be permitted to enroll in a more advanced course in the same subject until they have repeated the course they failed and have passed it.

Students who have failed the first half of a year course may, at the discretion of the instructor and with the approval of the Dean, enroll in the second half. Such enrollment, however, is not recommended.

Students who have received "E" in a course may, with the permission of the instructor, enroll in a more advanced course in the same subject.

### **Academic Load**

The normal student load consists of from fifteen to seventeen semester hours. No student may take more than eighteen in any semester or more than nine in any summer session unless he obtains the special permission of the Dean of the College.

### **Final Examinations**

Written examinations of from two to three hours' duration are given at the end of the semester in all courses except those in which the material required does not lend itself to this type of measurement. All students are required to take these examinations with this exception: a senior who is a candidate for a baccalaureate degree at the conclusion of the spring semester and whose work is of "A" or "B" quality in the course concerned may, if the instructor permits, be excused from the examination in that course. Unless such excuse is specifically given by the instructor, the examination is required.

### **Grade Reports**

Informal reports on the work of students are made by the instructors from time to time if need of improvement is indicated. At the middle of each semester all instructors submit the grades of students whose average in their course is below "C" to the Dean of the College. Although these mid-semester reports are not official grades, they do reveal all cases in which the student's work is unsatisfactory or barely satisfactory and are used as the basis of warning letters addressed to the students and their parents.

Official grades are given at the end of each semester and summer session. These are reported to the student and recorded on his official record.

### **Eligibilities**

To hold office or to represent either the student body or the college in any activity, a student must be carrying at least four courses which together represent at least twelve semester credit hours, and with the exception of first semester freshmen, must have a 2.00 quality point average. (Exceptions may be made in cases covered by specific rules filed in the Registrar's office.)

To be initiated into a fraternity or a sorority, a student must be enrolled for no less than twelve semester credit hours and must also in the semester before his initiation have taken a minimum of twelve hours and have earned at least a 2.00 quality point average in them. He must also have paid his financial account with the college to date.

If the whole membership of a fraternity or a sorority fails to maintain a quality point average of at least 2.00 in any semester, it will not be permitted to initiate members the following semester.



**Correspondence Credit**

Centenary College offers no correspondence courses. A limited amount of elective credit earned by correspondence study with accredited colleges or universities may be accepted if it would be accepted by the institution offering the course toward its own baccalaureate degree. Subjects in the student's major field and courses specifically required for graduation should not be taken by correspondence. Any student who presents correspondence work for credit may be required to pass a special examination over it at the discretion of the Dean of the College or the head of the department or division in which the student is majoring. To insure credit for a correspondence course, the student must, before taking it, submit a written request to the Dean, obtain his written approval, and file both with the Registrar.

**Academic Honors**

Three levels of honors are conferred at graduation upon candidates for baccalaureate degrees who have demonstrated unusual scholastic ability. Candidates with a quality point average between 3.9 and 4.00 inclusive are graduated "Summa Cum Laude"; candidates with an average between 3.70 and 3.89 inclusive are graduated "Magna Cum Laude"; and candidates with an average between 3.50 and 3.69 inclusive are graduated "Cum Laude." These honors are recorded on the diplomas and are published in the commencement program.





*Centenary Basketball Team*

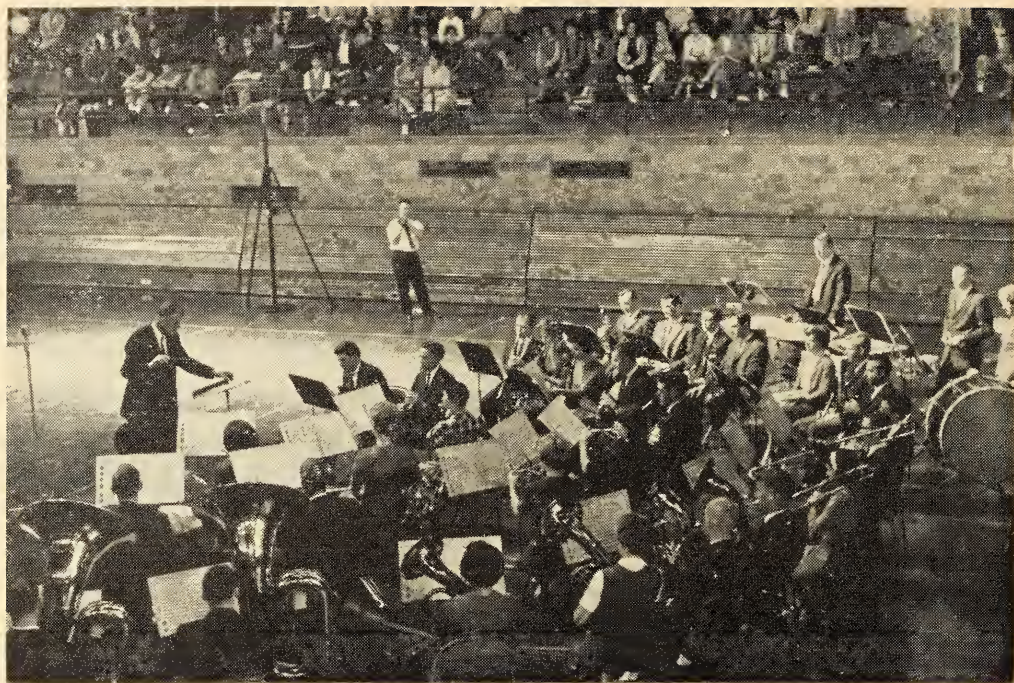


*Centenary College Choir*



*Student Assembly in the Crumley Gardens*





*Centenary College Band giving concert in the Haynes Memorial Gym*



*Scene from one of the productions in the Marjorie Lyons Playhouse*



PART V.  
CAMPUS ACTIVITIES

### **Student Government and Honor System**

The student body is governed by a Student Senate, composed of the elected officers of the student body, the president of each college class, and representatives at large from the Inter-Fraternity Council, the Pan-Hellenic Council, the non-fraternity men, and the non-fraternity women. Three faculty members serve as advisors to the Senate. A constitution and by-laws adopted by the student body guide all phases of student life except those directly affecting college policy.

Also assisting in governing the women's activities on the campus is the Associated Women Students, an organization of which each full-time woman student becomes a member when she registers.

Each student who enrolls in the college becomes a responsible member of the college community. By matriculating, he assumes the obligation to act in accord with recognized standards of honesty, decency, and integrity in fulfilling the regulations and requirements of academic work. These standards are set forth in an "Honor Code" which is administered by the students through an Honor Court of five selected students. Violations of the code are dealt with by this court.

### **Religious Organizations**

The Baptist Student Union, the Canterbury Club (for Episcopal students), the Methodist Student Movement, and the Newman Club (for Roman Catholic students) hold regular meetings on the campus. The Baptist Student Union and the Canterbury Club both have houses near the campus for meetings and social activities.

### **Social Organizations**

Centenary has chapters of three social fraternities — Kappa Alpha, Kappa Sigma, and Tau Kappa Epsilon — and three social sororities — Alpha Xi Delta, Chi Omega, and Zeta Tau Alpha. Aufait is a non-Greek organization for women. The central governing body for the fraternities is the Interfraternity Council; for the sororities, the Pan-Hellenic Council.

### **The Band**

The Centenary College Band presents regular concerts during the year, plays for the home basketball games, plays for civic organizations, and furnishes a small dance band for some of the campus dances. It also makes up a nucleus for the popular Shreveport Summer Band, which presents concerts in the campus open-air theatre during the summer free of charge.

### **The Choir**

The Centenary College Choir, which has an enviable reputation among collegiate choral groups, has appeared on a series of sponsored weekly television shows annually for ten consecutive years and, prior to that, was sponsored annually on weekly radio shows. Two highly successful tours of the Far East, a record-breaking engagement at New York's famous Radio City Music Hall and many appearances at Lions

International Conventions in places as far distant as Miami Beach and San Francisco are among the highlights of the 23-year-old choir. Other activities include the annual two-week mid-semester tour of South Louisiana and East Texas, concerts throughout the Ark-La-Tex, the "Rhapsody in View" home concert and performances for many church, social and civic groups. The choir's efforts to build good will for the college and community won the Shreveport Advertising Club's "Best Ad of the Year" Award for it in 1951.

### **Publications**

Students who desire may work on the staffs of the *Conglomerate*, the weekly campus newspaper, and the *Yoncopin*, the annual.

### **Dramatics**

The Jongleurs of Centenary College "present drama of imaginative, artistic calibre . . . and provide a diversified dramatic programme." The symbol of the Jongleurs is the stock character of the Fifteenth Century, Cucurucu, who appears on the cover of all programs and on all posters and announcements. The following plays were presented by the Jongleurs in the Marjorie Lyons Playhouse on the campus during the 1963-64 season: *Major Barbara* by George Bernard Shaw, *Electra* by Sophocles, *The Taming of the Shrew* by Shakespeare, *Treasure Island* by Robert Louis Stevenson, adapted for the Readers' theatre, and *Potpourri '64*, consisting of a film by Marcel Marceau, poetry reading, and a one-act play, *The Dock Brief*.

### **Athletic Activities**

The Centenary Gentlemen represent the college in intercollegiate basketball, baseball, golf, and tennis. Both the varsity and the freshman teams play a heavy schedule during the season. Supporting the teams, in addition to the elected cheerleaders, is the Pep Squad, made up of coeds interested in attending the games and cheering the Gentlemen on to victory.

Centenary also has a variety of intramural sports. Men's Intramural Football consists of nine teams which participate in playoffs to determine the champions. For coeds, Women's Intramural Volleyball is another active sports organization. The Women's Recreation Association governs the athletic contests in a variety of sports and promotes sportsmanship. The Men's Intramural Council is the governing body for men's intramural sports.

### **Honor Societies and Service Organizations**

Centenary's honor societies, departmental clubs, and service organizations are as follows:

Alpha Chi, national scholastic fraternity open to juniors and seniors who have a 3.5 average and are invited to join.

Alpha Epsilon Delta, national honor society for pre-medical students.

Alpha Psi Omega, national honorary fraternity for dramatics. Pledging and initiation are based upon points earned for



- working in all phases of playhouse productions.
- Alpha Sigma Chi, society of upperclassmen who have a 3.0 average in chemistry and a 2.5 overall average and who have taken or intend to take 16 semester hours of chemistry.
- Alpha Sigma Pi, scholastic fraternity for freshmen and sophomores with a 3.5 average.
- Association of Women Students.
- Cencoe, an intersorority social group.
- Centenary Guild Student Group, affiliated with the American Guild of Organists.
- Centenary Mathematics Club, open to students interested in mathematics.
- Cercle Francais de Centenary College, affiliated with the Federation de l'Alliance Francaise aux Etats-Unis et au Canada. Centenary chapter was established in 1929.
- Circle K, a service organization of men sponsored by the local Kiwanis clubs.
- Delta Tau Omicron, honorary business and economics fraternity. Membership requires a 3.5 average in business and an overall 2.5 average.
- Gamma Beta Gamma, national biology fraternity.
- Kappa Chi, a non-denominational organization composed of students interested in full-time religious vocations.
- Kappa Pi, national art fraternity.
- Maroon Jackets, the official hostesses of the campus. Membership requires a 3.0 average and two semesters of residence previous to the semester new members are chosen. They are selected for qualities of leadership, scholarship, and character.
- Omicron Delta Kappa, national service fraternity recognizing leadership in various fields of campus activities.
- Phi Beta, national speech and music fraternity.
- Phi Mu-Sinfonia, organization of men interested in music. Inactive, 1963-64.
- Phi Sigma Iota, national honor fraternity for Romance Languages. Phi Pi chapter at Centenary was established in 1940.
- The Physics Club, the student section of the American Institute of Physics.
- Sigma Gamma Epsilon, national geology fraternity. Membership is open to students with 10 hours and a 3.0 average in geology with a 2.0 overall average.
- Sigma Pi Sigma, national honorary physics fraternity open to students with a 3.0 grade average and 3 hours of advanced physics.
- Sigma Tau Delta, national writing fraternity.
- Student Louisiana Teachers Association, open to all students in education.

### **The Alumni Association and the Alumni Foundation**

The Alumni Association is an organization for all graduates and former students of the college. It helps them to maintain an active

and helpful interest in their alma mater. All alumni receive the publication *This is Centenary*. There are active alumni chapters in Baton Rouge, New Orleans, and Houston.

### Bookstore

The College Bookstore in the Moore Student Activities Building stocks the textbooks and supplies which will be needed by students. It also handles the better paperbacks and some trade books.

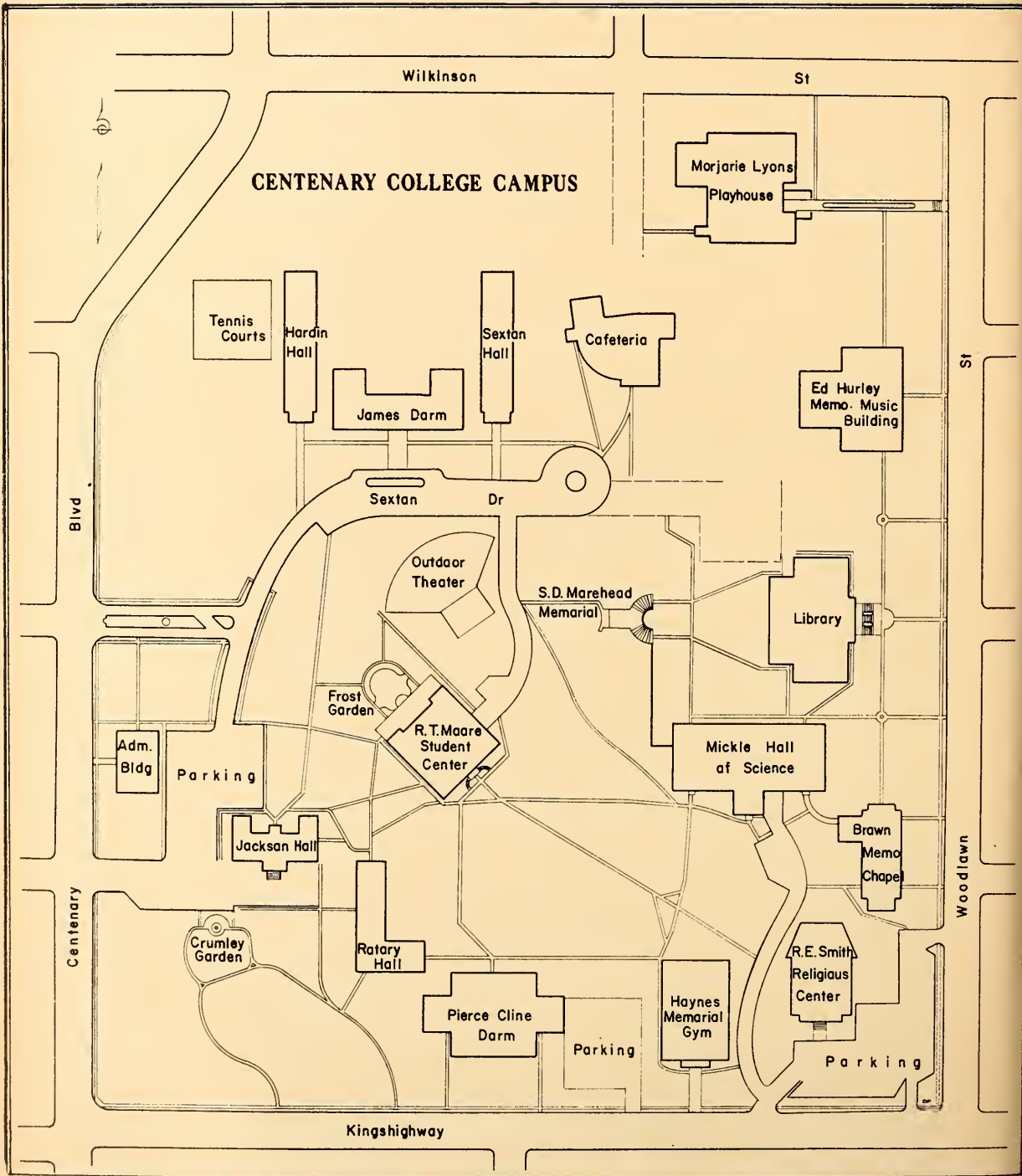
### Lyceum Series

The Lyceum Series brings outstanding musical and dramatic performances to the campus each year. During the 1963-64 session the following artists presented programs: Carlos Montoya, the Flamenco Guitarist; the Chicago Chamber Symphony; the Cleveland Playhouse, with *Drums Under the Window*; and the Musicians and Dancers of Korea. No admission is charged Centenary students, as the cost is included in the tuition rate.



*Dedication ceremony in the patio of the Cline Dormitory*







PART VI.  
PHYSICAL AND FINANCIAL  
RESOURCES

### Campus and Buildings

The campus is a shaded sixty-four-acre tract on which the principal classroom, administrative, and residential buildings are located and an adjoining thirty acres devoted to an athletic field and campus utilities.

Among the college buildings are these:

#### CAMPUS ACTIVITY BUILDINGS

*The Brown Memorial Chapel*, the gift of Paul M. and S. Perry Brown in memory of their parents, the Reverend Paul M. and Mrs. Brown, and of their brother, Ellis Brown, contains besides the main chapel capable of seating the present student body, a meditation chapel.

*The Cafeteria* is a modern air-conditioned and centrally located building which meets the needs of students, faculty, and staff who eat on the campus during college sessions.

*The Randle T. Moore Student Activities Building*, a completely modern air-conditioned building, contains a large recreation hall, a book store, a snack bar, alumni offices, offices of campus publications, and the campus post office.

*The Marjorie Lyons Playhouse*, the gift of the Charlton H. Lyons family, provides a magnificent modern theatre together with workshops, classrooms, and offices for the Department of Speech and Drama.

*The Reginald Henry Hargrove Memorial Band Shell*, donated by his family, was completed early in 1964 providing complete facilities for outdoor concerts, plays, commencements, and other open air assemblies. It thus completes the existing open-air theatre with a seating capacity of twenty-five hundred.

The three fraternity houses are located on East Washington, which ends at the entrance to the Music Building.

The three sorority houses are on Woodlawn Street.

*The Baptist Student Union* has a student center on Woodlawn Street and the *Canterbury Club* has a center on the corner of Woodlawn and Wilkinson Streets.

#### CLASSROOM BUILDINGS

*The Administration Building* houses administrative offices and classrooms used by the Department of History and Government.

*The Haynes Memorial Gymnasium*, the gift of the late W. A. Haynes, which since his death has been renamed in his memory, houses a basketball floor, handball courts, the "C" Club Room, the offices and classrooms for the Department of Health and Physical Education.

*Jackson Hall* contains the offices and classrooms of the Departments of Art, English, and Foreign Languages.

*The Ed E. Hurley Memorial Music Building*, a gift of Mrs. Hurley in memory of her late husband, is a carefully planned facility containing sound-proof studios, rehearsal rooms, practice rooms, a modern recording studio, and a beautifully finished recital hall for student and faculty performances.

*The Mickle Hall of Science* contains the offices, the classrooms, and the laboratories of the Departments of Biology, Botany, Business, Chemistry, Economics, Geology, Mathematics, Physics and Engineering Sciences, Psychology and Education, and Sociology; and a small auditorium for general use.

*The R. E. Smith Religious Activities Building*, a gift of the Louisiana Conference of the Methodist Church and first occupied in 1961, provides offices and classrooms for the Department of Religion and a small auditorium for the department's uses.

## DORMITORIES

*Cline Dormitory*, a fully air-conditioned residence hall housing 136 men, was first occupied in 1963.

*Hardin Hall*, a dormitory named in honor of the late Dean John A. Hardin, houses sixty-eight women. It is air-conditioned and was first occupied in 1957.

*The James Memorial Dormitory*, the gift of T. L. James and Company in memory of T. L. James, its founder, provides housing for ninety-six women. It is air-conditioned.

*Rotary Hall* is a dormitory housing one hundred thirty-six men.

*Sexton Hall*, a dormitory named in honor of the late President George Samuel Sexton, housing eighty-four women, was first occupied the fall of 1960 and is air-conditioned.

## LIBRARY

The new Centenary Library, which opened during the spring semester of 1963, contains approximately 60,000 volumes of books and bound magazines arranged according to the Dewey Decimal Classification System. Open stacks, excellent lighting, good acoustics, and year-round air conditioning are among the most appealing features. Library facilities include eight special rooms for group study, a room for typing, and carrels, desks, and study tables which can accommodate up to four hundred individuals. The Pierce Cline Memorial Room houses Louisiana materials, the early records of the college, and several rare and near-rare books. The magazine area provides easy access to current periodicals. Five quality record players are available for use in the music listening room. The Library thus provides the facilities and is the center for intellectual activity on the Centenary campus.



### Financial Resources

Centenary receives financial support from individual donors, corporations, foundations, and endowment funds. It has income from "living endowments," from the churches of the Louisiana Conference, and from specially designated scholarship funds.

### The Willson Lectureship

The Willson Lecture Series is made possible by the generosity of Dr. and Mrs. J. M. Willson of Floydada, Texas, who have provided an endowment for speakers in the fields of religion and education. The Willsons sponsor lectures in some twenty colleges, universities and civic institutions. Dr. Willson is Chairman of the Board of McMurry College of Abilene, Texas, and has been listed in several editions of *Who's Who in America*. Mrs. Willson is a member of the Board of Trustees of Texas Wesleyan College, and is included in *Who's Who Among American Women*.

Dr. J. Wallace Hamilton, noted speaker, author of several religious books, and pastor of the Pasadena Community Church in St. Petersburg, Florida, was the featured speaker for the eleventh annual Willson Lecture Series.

**PART VII.**  
**REGISTER**





*Academic Procession from the Library*



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Centenary College of Louisiana

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JOE J. MICKLE.....President, Centenary College of Louisiana

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J. HENRY BOWDON.....Louisiana Area Council, Box 4156, Shreveport  
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D. L. DYKES, JR.....First Methodist Church, Shreveport  
ROBERT E. GOODRICH, JR.....First Methodist Church, Dallas, Texas  
JAMES T. HARRIS.....Broadmoor Methodist Church, Shreveport  
A. J. HODGES.....Hodges Industries, Shreveport or Many, Louisiana  
MRS. E. E. HURLEY.....3954 Fairfield Avenue, Shreveport  
G. W. JAMES.....T. L. James & Company, Ruston, Louisiana  
JOHN L. SCALES, SR.....2782 Fairfield Avenue, Shreveport  
HENRY S. WEISMAN.....M. L. Bath Company, Ltd., Shreveport  
EDWIN F. WHITED.....Frost-Whited Company, Box 3387, Shreveport

### Terms Expiring in 1965

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ROBERT H. CROSBY . . . . . Crosby Chemicals, DeRidder, Louisiana  
ROBERT W. FRENCH . . . . . President, Tax Foundation, 50 Rockefeller  
Plaza, New York, New York  
MRS. D. P. HAMILTON . . . . . 3214 Centenary Boulevard, Shreveport  
GEORGE W. HARBUCK . . . . . First Methodist Church, Box 962, Monroe  
GUY M. HICKS . . . . . First Methodist Church, Alexandria, Louisiana  
SAM H. JONES . . . . . Gulf National Bank Bldg., Lake Charles  
MRS. L. B. KILPATRICK . . . . . Kilpatrick Life Insurance Company of  
Louisiana, 1809 Marshall Street, Shreveport  
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### Terms Expiring in 1966

JOHN B. ATKINS, JR.	Commercial National Bank Building, Shreveport
WM. RUSSELL BARROW	Barrow, Leary and Company, Shreveport
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HOWARD CRUMLEY	Beck Bldg., Box 1401, Shreveport
MARLIN W. DRAKE	The Drake Company, Shreveport
W. CRAWFORD FULLILOVE, JR.	Commercial National Bank Building, Shreveport
JAMES C. GARDNER	Southwestern Electric Power Company
O. D. HARRISON	Investments, 219 Milam Street, Shreveport
EMMETT R. HOOK	Continental-American Branch, Commercial National Bank, Shreveport
MRS. GLENN E. LASKEY	Ruston, Louisiana
CARL F. LUEG	1431 Octavia Street, New Orleans, Louisiana
C. H. LYONS	Lyons & Logan, 1500 Beck Building, Shreveport
CHARLTON H. LYONS, JR.	Lyons & Logan, 1500 Beck Building, Shreveport
GEORGE D. NELSON	Querbes & Bourquin, 214 Milam, Shreveport
BONNEAU PETERS	302 Petroleum Tower, Shreveport
BENTLEY SLOANE	District Superintendent, B. R. District, 4044 S. Ramsey, Baton Rouge

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F. M. FREEMAN.....	Shreveport
H. L. JOHNS.....	Philadelphia, Penn.
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## ADMINISTRATIVE OFFICERS AND STAFF

## Offices in the Administration Building

JOE J. MICKLE, A.B., A.M., LL.D. <sup>1</sup> .....	<i>President</i>
JACK STAUFFER WILKES, B.A., B.D., D.D. <sup>2</sup> .....	<i>President</i>
B. C. TAYLOR, B.A., B.D., D.D. ....	<i>Vice-President</i>
N. BOND FLEMING, A.B., B.D., S.T.M., Ph.D.....	<i>Dean of the College</i>
W. C. HOHMANN, A.B., M.A. ....	<i>Dean of Students, Director of Admissions</i>
MRS. JULIA M. PACKWOOD, B.A.....	<i>Dean of Women</i>
HOWARD M. ELDER, B.A., M.A. ....	<i>Director of the Evening Division</i>
MRS. NELLE BROWN, A.B.....	<i>Registrar</i>
MRS. EDNA S. WORLEY, A.B.....	<i>Assistant Registrar</i>
JOEL THOMAS, B.S., C.P.A.....	<i>Treasurer and Business Manager</i>
MRS. LELIA P. RANDOLPH, A.B.....	<i>Assistant Treasurer</i>
WILLIAM EARL NOLAN, A.B., B.D....	<i>Director of Enrollment Counseling and Alumni Affairs</i>
MRS. SUE TAYLOR BOYDSTON, A.B. ....	<i>Pre-Registration Counselor</i>
MISS NELLIE V. STROTHER, B.A., M.A. ....	<i>Pre-Registration Counselor</i>
MISS OLIVE SCALES, B.A.....	<i>Secretary to the President</i>
MRS. KATHRYN S. SMITH.....	<i>Secretary to the Vice-President</i>
MRS. ZAMA H. RUSSELL.....	<i>Secretary to the Dean of the College</i>
MRS. ANN HOWELL.....	<i>Secretary to the Dean of Students</i>
MRS. LYNN TALBERT.....	<i>Secretary to the Dean of Women</i>
MRS. ROSEMARY EUBANKS.....	<i>Secretary to the Director of the Evening Division</i>
MRS. MAURICE WILKINS.....	<i>Secretary to the Treasurer and Business Manager</i>
MRS. MILDRED TUCKER.....	<i>Cashier</i>
MRS. PATSY BURNS .....	<i>Business Office</i>
MRS. NITA BARKLEY .....	<i>Secretary to the Enrollment Office</i>

## Offices In Library

MRS. ALICE S. ALBEN, B.S., M.S.....	<i>Librarian Emerita</i>
CHARLES W. HARRINGTON, B.A., M.A., M.S.....	<i>Acting Head Librarian</i>
MRS. KATHLEEN OWENS, B.A., M.S. ....	<i>Assistant Librarian</i>

<sup>1</sup>Retired May 31, 1964.

<sup>2</sup>As of June 1, 1964.



MRS. IRENE S. COOKE, B.A., B.S. in L.S. ....	<i>Cataloger</i>
MRS. CZARENA STUART .....	<i>Circulation Librarian</i>
MRS. GAIL McALLISTER, B.A. ....	<i>Acquisitions Assistant</i>
MRS. ALIYAH FAIRCHILD .....	<i>Serials and Exchange Assistant</i>
MRS. WYNELL ARNOLD .....	<i>Library Secretary</i>
MISS LINDA MORRIS .....	<i>Cataloging Assistant</i>

#### Offices Elsewhere on the Campus

MRS. E. M. CLARK, A.B. ....	<i>Manager of the Bookstore</i>
ROBERT ED. TAYLOR, A.B., B.D.....	<i>Minister to the Campus</i>
JOHN W. FISER, A.B.....	<i>Director of Public Information</i>
MRS. FANNIE NICHOLS.....	<i>Student Activities Counsellor</i>
MRS. BESS HUDGINGS.....	<i>Dietitian, Cafeteria</i>
MRS. LORENE HOLMES .....	<i>Cafeteria</i>
MRS. ROBBIE CAMPBELL, R.N.....	<i>College Nurse</i>
MRS. IRENE WINTERROWD .....	<i>Secretary to the Faculty</i>
MRS. PATRICIA HOUSTON .....	<i>Secretary to the Faculty</i>
MRS. CLARICE MOORE .....	<i>Secretary to Director of Choir</i>
MRS. JUDY SMITH .....	<i>Secretary to Athletic Department</i>
MRS. BONNIE BRAY .....	<i>Switchboard Operator</i>
MRS. CORNELIA BROWN .....	<i>Switchboard Operator</i>

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FREDERICK H. DELANEY, B.S., M.S....	<i>Director of Development Program</i>
MRS. WANDA YATES ....	<i>Secretary to Director of Development Program</i>

#### Dormitory Hostesses

MRS. ZUMA DAVIS .....	<i>James</i>
MRS. DOROTHY HORTON .....	<i>Sexton</i>
MRS. ANNIE POLLARD .....	<i>Cline</i>
MRS. GEORGIA SMITH .....	<i>Hardin</i>
MRS. LOIS THOMPSON .....	<i>Rotary</i>

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O. K. BROCK .....	<i>Warehouse</i>
A. L. HAWKINS .....	<i>Warehouse</i>
GENE HOUSTON .....	<i>Warehouse</i>
H. H. HOWELL .....	<i>Custodian of the Science Building</i>
L. O. TOMLINSON .....	<i>Maintenance Engineer</i>
WILLIAM H. WIGGINS .....	<i>Warehouse</i>

## THE FACULTY

1963-64

## FULL-TIME

ALICE S. ALBEN, *Head Librarian Emerita.*

B.S. 1921, Dakota Wesleyan University; M.S., 1955, Library Science, University of Illinois. On staff since 1940.

RUTH JOY ALEXANDER, *Assistant Professor of Speech.*

B.A., 1944, Texas State College for Women; M.A., 1955, University of Wisconsin. On staff since 1958.

DALE ARMSTRONG,\* *Associate Professor of Business.*

A.B., 1948, Centenary College; M.P.A., 1950, University of Texas; C.P.A., Louisiana. On staff since 1952.

RULE BEASLEY, *Associate Professor of Music and Director of the School of Music.*

A.B., 1952, Southern Methodist University; M.M., 1958, University of Illinois; Juilliard School of Music. On staff since 1958.

THEODORE T. BECK, *Professor of French and Head of Department of Foreign Languages.*

A.B., 1928, Colgate; M.A., 1940, University of Georgia; Ph.D., 1961, Louisiana State University. On staff since 1961.

ZEAK M. BUCKNER, *Instructor in English.*

B.A., 1956, Centenary; M.A., 1962, Texas Christian University. On staff since 1962.

LESLIE E. BURRIS, *Assistant Professor of English.*

B.A., 1950, Millsaps College; M.A., 1956, University of Mississippi. On staff since 1957.

VIRGINIA CARLTON\*\*, *Professor and Head of the Department of Mathematics.*

B.S., 1939, Centenary College; M.S., 1940, Tulane University; Ph.D., 1959, Northwestern University. On staff since 1957.

B. P. CAUSEY, *Associate Professor of Music.*

B.A., 1939, Northwestern State College; M.M., 1954, Northwestern University. On staff since 1941.

EDWARD MURRAY CLARK, *Professor and Head of the Department of English.*

A.B., 1921, College of Emporia; M.A., 1933, Ph.D., 1941, University of Oklahoma. On staff since 1946.

WILLARD COOPER, *Associate Professor and Head of the Department of Art.*

B.A., 1947, Centenary College; M.F.A., 1949, Escuela Universitaria De Bellas Artes, Mexico. On staff since 1958.

ORLIN R. COREY, *Associate Professor and Head of Department of Speech and Drama.*

B.A., 1951, M.A., 1952, Baylor University; Baylor Art School in Paris, 1952; Certificate for Professional Study, Central School of Speech and Drama, London; Graduate study, University of London. On staff since 1960.

\*On leave.

\*\*On leave as Fulbright lecturer to University College, Ghana.

BRYANT DAVIDSON, *Professor of History and Government.*

A.B., 1925, Hendrix College; M.A., 1928, Columbia University; LL.D., 1960, Hendrix College. On staff since 1928.

RONALD E. DEAN, *Assistant Professor of Music.*

B.A., 1954, Williams College; M.M., University of Michigan, 1957. On staff since 1960.

HOWARD M. ELDER, *Assistant Professor of Latin and Director of the Evening Division.*

B.A., 1920, Washington and Lee University; M.A., 1927, University of Chicago. On staff since 1959.

JOHN B. ENTRIKIN, *Professor and Head of the Department of Chemistry.*

A.B., 1922, M.A., 1923, Southwestern University; Ph.D., 1929, State University of Iowa. On staff since 1929.

WILLIAM M. FELSHER, *Assistant Professor of Romance Languages.*

A.B., 1958, Mississippi State University. On staff since 1962.

N. BOND FLEMING, *Professor of Philosophy and Dean of the College.*

A.B., 1933, B.D., 1936, Emory University; S.T.M., 1937, Ph.D., 1941, Boston University; Ford Scholar, Harvard University, 1953-54. On staff since 1962.

ELMER LEE FORD, *Professor Emeritus of Foreign Languages.*

A.B., 1915, M.A., 1916, Howard College; Docteur de L'Universite de Lyon, 1927. On staff since 1929.

JOHN L. GATES, *Instructor in Physical Education.*

B.S. 1959, M.S., 1960, Northwestern State College. On staff since 1960.

RICHARD J. GOFF, *Instructor in Physics.*

B.S., 1953, Centenary College; Advanced work, S.M.U. On staff since 1961.

JOE VERNON GRABER, *Instructor in Speech.*

A.B., 1958, Georgetown College; M.A., 1959, Western Reserve; M.F.A., 1960, Western Reserve. On staff since 1961.

WILFRED L. GUERIN, *Professor of English.*

B.A., 1951, M.A., 1953, Ph.D., 1958, Tulane University. On staff 1953-62, and since 1963.

CHARLES LLOYD HALLIBURTON, *Assistant Professor of Spanish.*

A.B., 1955, Centenary College; M.A., 1961, Louisiana State University. On staff since 1963.

GAEL HAMMER, *Instructor in English.*

B.A., 1961, Kansas State Teachers College; M.A., 1962, University of Maine. On staff since 1962.

MARVIN WAYNE HANSON, *Associate Professor of Chemistry.*

B.S., 1950, Centenary College; M.S., 1953, Ph.D., 1964, University of Houston. On staff since September 1959.

MONAS HARLAN, *Associate Professor of Music.*

B.M., 1938, Westminster College; M.M., 1950, University of Southern California; Juilliard Graduate School of Music. On staff since 1959.

CHARLES WRIGHT HARRINGTON, *Assistant Professor, Acting Head Librarian.*

A.B., 1944, University of North Carolina; M.A., 1953, University of New Mexico; M.S., 1961, Library Science, Louisiana State University. On staff since 1962.

CHARLES A. HICKCOX, *Professor and Head of the Department of Geology.*

B.S., 1934, Middlebury College; M.S., 1939, University of Oklahoma. On staff since 1946.



ELIZABETH HUGHES, *Assistant Professor of Education.*

A.B., 1930, Centenary College; M.A., 1955, Stephen F. Austin State Teachers College. On staff since 1953.

DALE SPRINGER JOHNSON, *Assistant Professor of English.*

B.A., 1955, Southwestern at Memphis; M.A., 1959, Tulane University. On staff since 1962.

JESA KRAJNER, *Assistant Professor of Engineering Sciences and Physics.*

M.S.M.E., 1961, University of Belgrade, Yugoslavia. On staff since 1963.

WALTER M. LOWREY, *Professor of History.*

B.A., 1942, M.A., 1947, Louisiana State University; Ph.D., 1956, Vanderbilt University. On staff since 1963.

ROBERT D. MACCURDY, *Professor of Education and Head of the Department of Education and Psychology.*

B.S., 1938, University of Massachusetts; M.S., 1939, Michigan State University; Ed.D., 1954, Boston University. On staff since 1960.

THOMAS W. MCNAIR, *Instructor in English.*

B.A., 1958, Millsaps College; M.A., 1964, Vanderbilt University. On staff since 1964.

HELEN RUFFIN MARSHALL, *Assistant Professor Emerita of Voice.*

Graduate, 1909, New England Conservatory. On staff since 1941.

OPAL P. MENESEE, *Assistant Professor of Business.*

B.S., 1945, Louisiana Polytechnic Institute; M.B.A., 1949, Louisiana State University. On staff since 1949.

AUDY J. MIDDLEBROOKS, *Professor Emeritus of Education and Psychology.*

B.S., 1924, North Texas State Teachers College; M.A., 1928, George Peabody College for Teachers; Ed.D., 1941, Leland Stanford University. On staff since 1940.

OTHA KING MILES, *Professor Emerita of Education and Psychology.*

A.M., 1931, Centenary College; M.A., 1932, Ph.D., 1942, University of Texas. On staff since 1943.

JAMES DOUGLAS MOOTY, *Instructor in Physical Education.*

B.S., 1951, Centenary College. On staff since 1956.

IRA LEE MORGAN, *Professor of English.*

B.A., 1949, Hendrix College; M.A., 1950, University of Tennessee; Ph.D., 1954, University of Florida. On staff since 1954.

JACOB W. NICKEL, *Associate Professor of German and Philosophy.*

A.B., 1948, Bethel College; Th.M., Th.D., 1959, Iliff. On staff since 1962.

HENRY M. NICHOLSON, JR., *Instructor in Mathematics.*

B.S., 1961, Centenary College; M.S., 1963, Louisiana Polytechnic Institute. On staff since 1963.

W. DARRELL OVERDYKE, *Professor of History and Government.*

A.B., 1928, Centenary College; M.A., 1930, Louisiana State University; Ph.D., 1941, Duke University. On staff since 1934.

KATHLEEN M. OWENS, *Assistant Librarian, Assistant Professor.*

A.B., Centenary College; M.S., 1961, Library Science, Louisiana State University. On staff since 1961.

EDMOND M. PARKER, *Associate Professor of Engineering Sciences.*

B.S., 1946, Southeastern Oklahoma State College; M.S., 1950, East Texas State Teachers College. On staff since 1947.

WOODROW W. PATE, *Professor of Economics and Head of the Department of Economics and Business.*

A.B., 1936, Henderson State Teachers College; M.A., 1938, Louisiana State University; Ph.D., 1949, University of North Carolina. On staff since 1949.

- MALCOLM PATTERSON, *Assistant Professor and Acting Chairman, Health and Physical Education.*  
B.A., 1954, Southeastern Louisiana College; M.S., 1959, Louisiana State University. On staff since 1962.
- FRANCES MARY PERKINS, *Assistant Professor of Piano and Theory.*  
A.B., 1944, B.M., 1947, Centenary College; M.M., 1947, Chicago Musical College. On staff since 1947.
- W. FERRELL PLEDGER, *Professor of Sociology and Religion, and Head of the Department of Sociology.*  
B.A., 1935, M.A., 1936, Southwestern University; B.D., 1937, Duke University; Ph.D., 1944, Hartford Seminary Foundation. On staff since 1953.
- WEBB DONNOLLY POMEROY, *Professor and Head of the Department of Religion.*  
A.B., 1944, Centenary College; B.D., 1946, Union Theological Seminary; Ph.D., 1953, University of Edinburgh. On staff since 1953.
- LEO G. RAUB, *Professor and Head of the Department of Physics and Engineering Sciences.*  
A.B., 1916, Oberlin College; Ph.D., 1921, University of Nebraska. On staff since 1958.
- LENORE REES, *Assistant Professor of Spanish.*  
A.B., 1927, Scarritt College; M.A., 1937, The National University of Mexico. On staff 1947-52 and since 1956.
- GEORGIA M. ROTH, *Instructor in Business Administration.*  
B.S., 1959, M.B.A., 1962, University of Arkansas. On staff since 1962.
- FARIEBEE PARKER SELF,\* *Assistant Professor of Mathematics.*  
A.B., 1928, Northwestern State College; M.A., 1940, Louisiana State University. On staff since 1946.
- NOLAN G. SHAW, *Assistant Professor of Geology.*  
A.B., 1951, Baylor University; M.S., 1956, Southern Methodist University. On staff since 1955.
- ORVIS V. SIGLER, JR., *Basketball Coach and Director of Intercollegiate Athletics.*  
B.S., 1948, Southwest Missouri State College. On staff since 1958.
- ETOYAL SMITH, *Instructor in Physical Education.*  
B.S., 1960, M.S., 1961, University of Southern Mississippi. On staff since 1963.
- ROBERT E. SMITH, *Professor Emeritus of Biblical Literature.*  
A.M., B.D., Vanderbilt University; D.D., Birmingham Southern College; Litt.D., Southwestern University. On staff since 1920.
- BETTY MCKNIGHT SPEARS, *Assistant Professor of Mathematics.*  
A.B., 1946, M.A., 1947, Southern Methodist University. On staff since 1947.
- RICHARD K. SPEARS, JR., *Associate Professor of Biology.*  
B.S., 1941, Oklahoma State University; M.S., 1947, Ph.D., 1957, Louisiana State University. On staff since 1949.
- BRUNO STRAUSS, *Professor of German and History.*  
Ph.D., 1911, University of Berlin. On staff since 1939.
- ROBERT ED. TAYLOR, *Assistant Professor of Religion and Minister to the Campus.*  
A.B., 1952, Centenary College, B.D., 1955, Perkins School of Theology. On staff since 1961.
- STANTON A. TAYLOR, *Associate Professor of Chemistry.*  
B.S., 1949, Northwestern University; M.S., 1955, Iowa State. On staff since 1961.

\*Acting Head of the Department of Mathematics.

WILLIAM CHANDLER TEAGUE, *Assistant Professor of Music.*

B.M., 1948, Curtis Institute of Music. On staff since 1948.

FRANK V. TOUCHSTONE, *Associate Professor of Psychology.*

B.A., 1950, Southern Methodist University; M.S., Ph.D., 1957, Purdue University. On staff since 1963.

GEORGE WILLIAM TREESE, *Instructor in Mathematics.*

B.S., 1959, McNeese State College; M.S., 1962, Louisiana State University. On staff since 1963.

ROBERT L. TREWATHA, *Associate Professor of Business and Economics.*

A.B., 1955, Drury College; M.B.A., 1960, Ph.D., 1964, University of Arkansas. On staff since 1963.

LEROY VOGEL, *Professor and Head of the Department of History and Government.*

A.B., 1932, Th.B., 1935, Calvin College and Seminary; Th.M., 1936, Princeton Seminary; Ph.D., 1938, Heidelberg University. On staff since 1946.

ALVIN C. VORAN, *Associate Professor of Choral Literature.*

A.B., 1928, McPherson College; B.M., 1932, Chicago Conservatory of Music; Mus.D., 1957, McPherson College. On staff since 1937.

MARY WARTERS, *Professor and Head of the Department of Biology.*

A.B., 1923, Shorter College; M.A., 1925, Ohio State University; Ph.D., 1943, University of Texas. On staff since 1927.

RALPH E. WHITE, *Professor Emeritus of Modern Languages.*

A.B., 1916, M.A., 1923, Emory University; Ph.D., 1949, University of Texas. On staff since 1927.

ORIN P. WILKINS, *Associate Professor of Biology.*

B.A., 1946, M.A., 1948, Ph.D., 1955, University of Texas. On staff since 1955.

DAVID E. WILLIAMS, *Assistant Professor of Education and Psychology.*

B.S., 1960, Grand Canyon College; M.Ed., 1962, University of Arizona. On staff since 1962.

## PART-TIME FACULTY

BRUCE C. ANDERSON, *Economics.*

B.A., 1955, Carleton College; M.B.A., 1957, Northwestern State U.

DOVIE ARNOLD, *Special Education.*

B.S., 1944; M.S., 1950, University of Arkansas.

GRACE BELL, *Business.*

A.B., 1918, Northwestern State College.

LORELLE BENDER, *English.*

B.A., 1932, M.A., 1940, Louisiana State University.

FLOYD BEYERSDORF, *Business.*

B.S., 1957, Centenary.

DOROTHY J. BIRD, *Education.*

BBA., 1954, M.S., 1955, East Texas State College; Ed.D., 1958, University of Kansas.

BRYTHEL H. BRANTLEY, *Mathematics.*

B.S.E., 1956, M.S.E., 1960, Henderson State Teachers College.

HARRY W. BROWN, *Business.*

B.S., 1952, Centenary College; M.A., 1953, Louisiana State University.



LLOYD D. BURNS, *Business*.

B.S., 1949, Northwestern State College; C.P.A., 1958.

SHIRLEY W. BURRIS, *English*.

B.A., 1950, Belhaven College; M.A., 1954, University of Mississippi.

WALTER CAUGHEY, *Music*.

B.A., 1955, Centenary; M.Ed., 1959, University of Arkansas.

JOSEPH R. COOK, *Business*

B.S., 1957, Centenary College. C.P.A.

IRENE S. COOKE, *Cataloger, Library*.

A.B., 1934, Southwestern Louisiana Institute; B.S. in L.S., 1937, Louisiana State University. On staff since 1962.

KAY COOPER, *French*

A.B., 1962, Centenary College.

IRENE COREY, *Speech and Drama*.

A.B., 1947; M.A., 1949, Baylor University. Designer and assistant director Baylor Children's Theater, and staff member of department, 1946-49. Special work with Reynolda Arnould, Paris, 1952 and 1956. Graduate study, University of Kentucky. Private study, Central School of Arts and Crafts, London. Study of set design with Sammy Leve.

DONALD M. DANVERS, *Mathematics*.

B.A., 1956, M.A., 1958, Northwestern University.

JAMES H. DUNCAN, *Education*.

B.A., 1930, Trinity University; M.A., 1936, University of Texas.

JACK ELGIN, *Business*.

B.A., 1943, Centenary College.

ARNOLD J. FALK, *Sociology*.

B.A., 1939, Louisiana State University; M.S.W., 1947, Tulane University.

JOHN FILES, *Business*.

LL.B., 1949, South Texas School of Law.

NORMAN Z. FISHER, *Music*.

B.A., 1942, Lewis and Clark College; M.S.M., 1946, Union Theological Seminary.

ELIZABETH FRIEDENBERG, *Art*.

A.B., 1955, Centenary College; M.A., 1959, Stephen F. Austin State College; Professional Study at Art Student League; Contemporaries Workshop, Cornell University; Tschachosov School. On staff since 1952.

JOHN M. GOFF, *Business*.

B.S., 1953, Indiana University. C.P.A.

ROBERT GOODLOE, *Religion*.

B.S., 1912, Fort Worth Polytech; M.A., 1916, S.M.U., B.D., 1918; Ph.D., 1929, University of Chicago.

CURTIS GREEN, *Engineering Sciences and Education*.

B.A., 1948, M.Ed., 1949, East Texas State Teachers College.

CHARLES T. HALL, *Business*.

B.A., 1953, Northwestern State College. C.P.A.

BOBBY J. HOLLINGSWORTH, *Mathematics*.

B.S., 1949, Louisiana Polytechnic Institute; M.S., 1951, Oklahoma A. & M. College; Ph.D., 1955, University of Kansas.

ROBERT L. HOOD, *Chemistry*.

B.S., 1950, Centenary College.

RICHARD E. JENNINGS, *Music*.

B.M.Ed., 1956, Centenary.

PATSY GRIFFIN KELLY, *English*.

A.B., 1959, M.A., 1960, University of Arkansas. On staff since 1961.

HERBERT H. KISSLING, *Government*.

B.A., 1951, Doane College; M.A., University of Wyoming.

LOTHAR E. KLEINHANS, *German*.

B.A., 1952, Centenary College.

JOHN H. KOONCE, *Mathematics*.

B.S., 1962, Southern Methodist University.

EDDY KOZAK, *Music*.

B.M., 1959, Centenary College.

JEANINE LAGRONE, *Music*.

B.M., 1958, Oberlin Conservatory.

ZELPHIA B. LAYTON, *Education*.

B.A., 1937, M.S., 1941, North Texas State College.

WILLIAM E. LOCKRIDGE, JR., *Psychology*.

B.A., 1949, Louisiana State University; M.A., 1954, Baylor University.

WILLIAM W. LOWRY, *Economics*.

B.A., 1954, Louisiana State University.

JANET RUTH LUCAR, *Education*.

B.A., 1938, Centenary College; M.Ed., 1953, University of Houston; Ed.D., 1958, University of Houston.

ELSIE M. MCFARLAND, *Biology*.

B.A., 1934, Grinnell College; M.A., 1936, Temple University.

ALFRED L. MCKINNEY, *Mathematics*.

B. S., 1959; M.S., 1961, Louisiana Polytechnic Institute.

WILBERT MASON, *Music*.

B.M.E., 1955, Northwestern State College; M.M., 1957, Louisiana State University.

RAY C. MAYO, *Business*.

B.S., 1949, Northwestern State College. C.P.A.

DAVID V. MIDDLETON, JR., *Education*.

B.S., 1949, Centenary College; M.Ed., 1951, Louisiana State University.

ANNE MONTGOMERY, *Biology*.

B.S., 1963, Centenary College.

JEANNE S. MOORE, *Education*.

B.S., 1947, Louisiana State University.

TRUMAN LEE PEARCE, *Business*.

B.S., 1950, Texas A. & M. College; M.S., 1959, University of Texas. C.P.A.

KATYE L. POSEY, *Education*.

B.A., 1941, Northwestern State College; M.Ed., 1951, University of Houston; Ed.D., 1959, University of Houston.

CHARLES H. RANDALL, *Engineering Sciences*.

B.A., 1954, University of Texas.

WALTER S. RITCHIE, *Chemistry*.

B.S., 1916, Ohio State University; M.S., 1918, Ph.D., 1922, University of Missouri.

ARMINDA DOTY RISER, *Education*.

B.A., 1939, Louisiana State University; M.A., 1949, Stanford University.

PAUL ROBY, *Music*.

B.M., 1958, Oberlin Conservatory; M.M., 1962, Catholic University of America.

MILTON I. ROSENZWEIG, *Psychology*.

B.S., 1949, City College of New York; M.S., 1951, University of Miami.

FERDINAND P. SALVAIL, *French*.

A.B., 1943, St. Joseph's Seminary; M.A., 1953, Boston College.

AUSTIN A. SARTIN, *Geology*.

B.S., 1959, Centenary College.

MICHAEL C. SCULLY, *Mathematics*.

B.S., 1960, Southeastern State College; M.A., 1962, University of Texas.

JOHN F. SHENAUT, *Associate Professor of Violin and Orchestra*.

B.M., 1938, American Conservatory of Music; M.M., 1940, University of Michigan.  
On staff since 1948.

LOUISE A. SIMON, *Mathematics*.

A.B., 1957, Wellesley; M.A.T., 1959, Tulane.

SHIRLEY R. SIMMONS, *Business*.

B.S., 1948, Louisiana State University.

ASUNCION DELGADO SMITH, *Spanish*.

B.S. Ed., 1952, Escuela Normal de Sevilla.

DONALD SMITH, *Music*.

B.M., 1960, Centenary; M.M., 1962, North Texas State College.

VERA SNELLING, *Education*.

B.S., 1937, Centenary College; M.A., 1946, George Peabody College for Teachers.

EMMA STRINGFELLOW, *Psychology*.

B.S., 1924; M.A., 1931, Louisiana State University; Ph.D., 1956, New York University.

LEE B. SUTTON, *Art*.

B.A., 1951, B.I.D., 1951, Oklahoma A. & M. College.

TODD Y. TILLMAN, *Economics*.

B.S., 1958, East Tennessee State College; M.A., 1960, University of Florida.

JACQUE P. TREESE, *Mathematics*.

B.S., 1961, Ouachita Baptist College; M.S., 1963, Louisiana State University.

CAROLYN E. TREWATHA, *Business*.

B.B.A., 1960, Lamar State College; M.B.A., 1961, University of Arkansas.

MILTON C. TRICHEL, JR., *Business*.

B.S., 1959, Centenary College; LL.B., 1932, Columbia University.

LLOYD L. WAITE, *Sociology*.

B.S., 1935, M.A., 1937, Ohio State University.

MARTIN WALLACE, *Business*.

B.S.M.E., 1935, Louisiana State University; M.S., 1936, University of Michigan.

JACK WILLIAMSON, *Business*.

B.S., 1949, Centenary; M.B.A., 1950, Southern Methodist University.

ROBERT K. WILLIS, *Business*.

B.B.A., 1950, Texas Tech. College. C.P.A.

MOFFETT D. WILSON, *Business*.

B.S., 1954, Louisiana Polytechnic Institute. C.P.A.

## SUPERVISING TEACHERS IN SERVICE

SEPT. 1963 — MAY, 1964

<i>Supervisor</i>	<i>Grade or Subject and School</i>
MRS. ELLEN ANDERSON.....	Grade 4, Werner Park
MISS MARY ANTHONY.....	Business Education, Fair Park High
MRS. ANNE BAKER.....	Mathematics, Midway Junior High



MISS LOIS BAKER.....	Grade 3, Caddo Heights
MRS. JACKIE BARR.....	Business Education, Woodlawn High
MISS TOMMIE BLACKBOURNE.....	Art, Woodlawn High
MR. MARSHALL BOYD.....	Physical Education, Broadmoor Junior High
MRS. MAMIE BREAZEALE.....	English, Byrd High
MRS. NORMA BROWN.....	Business Education, Fair Park High
MRS. SHIRLEY BROWN.....	Spanish, Byrd High
MRS. JUNE BUHLER .....	Grade 5, Riverside
MRS. W. K. CHANDLER.....	Vocal Music, Youree Drive Junior High
MRS. ROSALIE CHANEY .....	Mathematics, Midway Junior High
MRS. MARIE CLARK.....	Grade 3, Creswell
MISS DORA COOKSEY.....	Grade 3, Arthur Circle
MRS. IRENE CURRY .....	Grade 4, Werner Park
MR. ROBERT DeLOACH.....	Mathematics, Broadmoor Junior High
MR. GEORGE T. DIXON.....	Science, Bossier High
MRS. DORIS DOYLE.....	Grade 1, Creswell
MISS GRACE DYSON.....	Grade 3, A. C. Steere
MRS. RUTH ENIS.....	Mathematics, Bossier High
MRS. MIRIAM FARRAR .....	Grade 2, Caddo Heights
MR. BERNARD FIRESTONE.....	General Science, Youree Drive Junior High
MR. WALTER FLOYD.....	Algebra, Rusheon Junior High
MRS. MARY LOU GRANT.....	Grade 4, Plantation Park
MR. CLEM HENDERSON.....	Physical Education, Fair Park High
MISS GRACE HENSLEY.....	Grade 1, Westwood
MRS. SUE HINCKLEY.....	Grade 5, Claiborne
MR. HUBERT HUMPHRIES.....	Social Studies, Fair Park High
MR. CHARLES JACKSON.....	Social Studies, Fair Park High
MRS. MAXINE JONES.....	Grade 1, Arthur Circle
MRS. HUDSON JOHNSTON.....	Grade 2, Plantation Park
MR. PHILIP KENDALL.....	Band, Midway Junior High
MRS. EUNICE KENNEDY.....	Business Education, Rocky Mount High
MRS. MARGARET KIRKLAND.....	Business Education, Woodlawn High
MRS. GLADYS KOPECKY.....	English, Fair Park High
MISS ROSE LaCAZE.....	Grade 6, South Highlands
MR. N. B. LESTER.....	Physical Education, Byrd High
MR. W. T. LEWIS.....	Grade 7 (Block), Rusheon Junior High
MRS. BLANCHE LITTLE.....	Grade 4, Plantation Park
MISS ADELE MALLERY .....	Grade 1, Creswell
MR. J. B. MATHEWS.....	Grade 5, Alexander
MISS LUCILLE McCOOK.....	English, Broadmoor Junior High
MR. FRANK McCULLER.....	Mathematics, Bossier High
MRS. ANNA McGRAW.....	English, Byrd High
MR. M. V. McKENZIE.....	General Science, Rusheon Junior High
MRS. FLORINE McWILLIAMS.....	Physical Education, Lakeshore Junior High
MR. HARRY MILEY.....	Mathematics, Hamilton Terrace Junior High
MRS. ALENE MILLS.....	Language Arts-Social Studies, Youree Drive Junior High
MRS. JUANITA MURPHEY...	Language Arts-Social Studies, Lakeshore Junior High
MISS LILLIAN POLK.....	Speech, Fair Park
MRS. LOIS FAYE PUCKETT.....	Grade 1, Bossier Elementary
MR. JOHN RENFRO.....	Language Arts-Social Studies, Midway Junior High
MR. J. N. ROGERS.....	Speech, Byrd High

MRS. MARY D. SCHAAL.....	Grade 3, Arthur Circle
MR. BERNARD SLIMER .....	Social Studies, Fair Park High
MRS. GRACE SMALL .....	Social Studies, Byrd High
MRS. ZULA SMITH.....	Grade 6, Werner Park
MRS. BILLIE VON EINAM.....	Elementary Music, Caddo Parish
MRS. VIRGIE WALKER .....	Grade 2, South Highlands
MISS VIRGINIA WHITEMAN.....	Grade 1, Creswell
MR. JAMES E. WILLEY.....	Grade 6, Riverside
MRS. RUTH WINTERROWD....	Language Arts-Social Studies, Midway Junior High

## COMMITTEES FOR 1963-64

(President and Dean are ex-officio members of all committees.)

### ADMINISTRATIVE COMMITTEES

ADMINISTRATIVE COUNCIL: President, Vice-President, Dean of the College, Dean of Students, Treasurer.

CATALOG: Burris, Brown, Nolan.

CREDENTIALS AND ADJUSTMENTS: Brown, Fleming, Hohmann, and Department Head concerned.

SCHOLARSHIPS: B. C. Taylor, Boydston, Elder, Fleming, Hohmann, Nolan, Strother, R. E. Taylor, Wartens.

### FACULTY COMMITTEES

ACADEMIC POLICY: Fleming, Clark, Cooper, Entrikin, Morgan, Parker, Pate, Patterson, Vogel.

AUDIO-VISUAL AIDS: Parker, Halliburton, MacCurdy, B. Speairs.

ADMISSIONS AND STANDARDS: Vogel, Hanson, Hohmann, Williams.

COMMITTEE ON COMMITTEES: Cooper, Elder, Pate, Vogel, Wilkins.

CURRICULUM: Fleming, Clark, Entrikin, Lowrey, Pate, and Division Chairmen.

GENERAL EDUCATION: Pate, Davidson, Dean, Johnson, Nickel.

GRADUATE FELLOWSHIPS: Clark, Beck, Perkins, S. Taylor, Touchstone, Trewatha.

INTERCOLLEGIATE ATHLETICS: Entrikin, Causey, Felsher, Menefee, Wilkins.

LIBRARY: Morgan, Harrington, Overdyke, Shaw, Strauss.

### JOINT COMMITTEES

CHAPEL AND RELIGIOUS LIFE: Pledger, Guerin, Packwood, Pomeroy, R. E. Taylor, Voran, and student members: Carol Wood, James E. Williams, Herb Jennings, Indi Nichols.

COMMENCEMENT AND PUBLIC OCCASIONS: R. Speairs, Brown, Buckner, Harlan, Hughes, and officers of the Senior Class.

- DISCIPLINE:** Hickcox, Cooper, Graber, Self, and student members:  
Bill Bowker, Chat Reed, Melanie Martin, Chris Roach.
- HONORARY DEGREES:** Mickle, Fleming, Pomeroy, Warters, and  
Board Members: Harris, Nelson, Whited.
- LYCEUM:** Beasley, Burris, Corey, Voran, and student members:  
Arthur Simpson, Sandy Lawn, Rose Mary Palermo, Ronnie  
Eubanks.
- PHYSICAL WELFARE AND INTRAMURAL SPORTS:** Hohmann,  
Gates, Krajner, Nicholson, Smith, and Presidents of Men's and  
Women's Physical Education Clubs, and student members: Harvey  
Long, Sharon Wilson, Riley Wallace.
- SELF-STUDY:** Morgan, Cooper, Pate, Shaw, and Board Member Nelson.
- STUDENT ORGANIZATIONS:** Patterson, Goff, Hohmann, Packwood,  
Roth, and student members: Leonard Riggs, Nancy Padgett, Jim  
Mitchell, Nancy Lecky.
- STUDENT PUBLICATIONS:** Fiser, Alexander, Hammer, Rees, Treese,  
and student members: Carol Hanna, Suzy Welty, Jimmy Mounger,  
Herb Fackler.

## ALUMNI ASSOCIATION OFFICERS

1963-64

Executive Director .....	William Earl Nolan
President .....	Ed Noland
Vice-President .....	Emory C. Browne
Vice-President .....	Shirley Baird Rawlinson
Secretary .....	Mitzi Lowe Middlebrooks
Treasurer .....	Dick Whittington

### Directors:

Harry Brown	John Greer	Cecil Ramey
George Burton	Charles Knight	Leroy Scott, Jr.
W. W. Bynum	Jim McGregor	Bob Stacy
Martha Turner Cloyd	Sam Nader	Margaret Poss Teague
Carolyn Clay Flournoy	Grace Julian Norton	Sid Williams

## ENROLLMENT STATISTICS

SUMMER 1962

	Men	Women	Total
Summer Session .....	324	300	624



## FALL 1962-1963

	Men	Women	Total
Freshmen .....	133	127	260
Sophomores .....	105	103	208
Juniors .....	56	70	126
Seniors .....	70	77	147
Total Full-time .....	<u>364</u>	<u>377</u>	<u>741</u>
Specials .....	658	265	923
Total Enrollment .....	<u>1022</u>	<u>642</u>	<u>1664</u>

## SPRING 1962-1963

	Men	Women	Total
Freshmen .....	102	115	217
Sophomores .....	98	101	199
Juniors .....	65	63	128
Seniors .....	84	78	162
Total Full-time .....	<u>349</u>	<u>357</u>	<u>706</u>
Specials .....	596	229	825
Total Enrollment .....	<u>945</u>	<u>586</u>	<u>1531</u>

## DEGREES AND HONORS CONFERRED, 1963

## BACHELOR OF ARTS

Ruth Ann Akins  
 Martha LaVerne Burks  
 Ernest Lynwood Clough  
 Donald Ray Couvillion  
 Beverly Ann Crawford  
 Mary Dessagene Crawford  
 Elizabeth McCarthy Daly  
 Samuel Reuben David  
 Kenneth Bardon DeShong  
 Constantine B. Dulas  
 James Donald Farley  
 Emilia Gay Griffith

Jolene Bryan Humphries  
 Catherine Staples Inman  
 Grace Gilbert Jackson  
 Roger Dick Johns  
 Maury Lee Johnston  
 William Neal Nelson  
 Peggy Jean Netterville  
 Terrell Wayne Rourk  
 Ray Rolon Spiller  
 John Gordon Talk III  
 Linda Lou Vizquete  
 Sarah Eleanor Worrell  
 Frank Ripley McDonald Young

## BACHELOR OF MUSIC

H. C. Alford, Jr.  
 Myrna Loy Collier  
 Robert H. Noonan

Alfred James Pagnato  
 Clyde James Perkins, Jr.

## BACHELOR OF SCIENCE

Nancy Pennington Alexander  
 Nathan Allen, Jr.  
 Barbara Ann Barbee  
 Theodore Joseph Bartels  
 Evelyn Brewer Barton  
 Lloyd Chartley Blackburn, Jr.  
 Harold Clinton Bounds  
 Louis Stephenson Brandt  
 Eugene Wathen Bryson, Jr.  
 Phillip Hurxthal Butcher  
 Joyce Louise Camerer  
 Thomas Scott Carter  
 Dianne Hobson Clark  
 Glenn Cove Clarke, II  
 Robert Glenn Cockrell  
 Hope Henry Cook  
 Hugh Scott Coyle  
 Lorine Dieu Crenshaw  
 John Carson Crow  
 Mary Glenn Davis  
 Joycelyn Marie Bertrand DeLay  
 John Wilson Dorman  
 Cora Matheny Dorsett  
 Lee Edward Eanes  
 David Leon Ewing  
 Esmond Anthony Fatter, Jr.  
 Lynette Collins Faulkinberry  
 Earl Walter Feurtado, Jr.  
 Reuben E. Flowers  
 Paxton Rogers Foster  
 Mary B. Northcutt Freeman  
 Mary Lucy DeSpain Furr  
 Mary Lynn Dishongh Gates  
 Hazel Killingsworth Gilliland  
 George M. Gilmer, Jr.  
 Deanne McFarland Goldsberry  
 Gail Ann Granger  
 Robert Moore Guice  
 John Joseph Gullo  
 Vera Hazel Thrasher Hagin  
 Barbara Jean Harman  
 James Ryan Horton, Jr.  
 Mary Madeline Howard  
 Mildred Taylor Jacobs  
 Lorraine Smith Jenkins  
 Joel Franklin Johnson, Jr.  
 Mildred D. Johnson  
 Woodrow Wilson Johnson  
 Frank Fleming Jordan  
 George Kalmbach, Jr.  
 Karen Eileen Kanapkey  
 Kay Susan King  
 Betty Green Kintzing  
 Edward Ray Knight  
 Patricia Louise Lavigne  
 Charles Boyce Lowrey

John Carroll McBride  
 Mary Simpson McClanahan  
 Johnnie Stathem McClure  
 Sandra Kline McCuiston  
 Jesse G. McCullough, Jr.  
 Dianne Jean McGowen  
 Terry Hatcher Machuta  
 Paul Michael Mann  
 Mary Emily Barret Marshall  
 Judith Annette Martin  
 Linette Davis Miles  
 Kenneth Alan Miller, Jr.  
 Anne Bayliss Montgomery  
 Peggy Jean Netterville  
 Charles Suzanne Newkirk  
 Dorothy Park  
 Perrilyn Midyett Phillips  
 Guy A. Pinson  
 Gwen Etheridge Platko  
 Sandra Anne Poss  
 Margaret Lanell Preble  
 Karen Lee Kesner Price  
 Jerre Norma Rainwater  
 Michael Alexander Ramming  
 James Edward Reynolds  
 Judy Ellise Rhodes  
 Jordan Anthony Robinson  
 Joseph Howard Robinson  
 Grayson Robert Rogers  
 Joyce Burkett Rogers  
 Jacqueline Rosett  
 William Robert Ross  
 Terrell Wayne Rourk  
 Erwina Antony Salter  
 Grace Carolyn Searcy  
 Billy Byron Sikes  
 Wilma Stacey Sisk  
 Fredric Thomas Siskron, III  
 Mary Tyson Skaggs  
 James Patrick Smith, Jr.  
 Jada Ann Sparks  
 Charlotte Ann Stodghill  
 Clarice Krumnow Talk  
 Elaine Heidman Thaxton  
 Judith Angie Thurmon  
 Susanne Tipton  
 Frank Wilson Tyler  
 Angel Vernon  
 Nancy Ann Waddell  
 Dillon D. Wallace  
 Jane Rhodes White  
 Linda F. Whitlow  
 Gayle Henry Wilke  
 Joan Golson Williams  
 William W. Wilson  
 Carolyn Gail Yarbrough

## HONORARY DEGREES

Edward Carl Greco, Doctor of Science

William Leon Hattaway, Doctor of Divinity

## HONORS

Mary Dessagene Crawford, cum laude  
 Elizabeth Mary McCarthy Daly, cum laude  
 John Joseph Gullo, cum laude  
 Charles Boyce Lowrey, cum laude  
 Mary Emily Barrett Marshall, cum laude  
 Judith Annette Martin, cum laude  
 Sandra Anne Poss, cum laude  
 Jane Rhodes White, cum laude

David Leon Ewing, magna cum laude  
 Catherine Staples Inman, magna cum laude  
 Anne Bayliss Montgomery, magna cum laude  
 Sarah Eleanor Worrell, magna cum laude  
 Cora Matheny Dorsett, summa cum laude  
 Mary Simpson McClanahan, summa cum laude  
 Sandra Kline McCuiston, summa cum laude

## INDEX

- Absences, 124
- Academic Honors, 128, 159
- Academic Load, 127
- Academic Suspension, 125-126
- Accident Insurance, 12-13
- Accounting, 13
- Accreditation, 8
- Activities, Student, 130-135
- Administration of Curriculum, 122-128
- Administrative Officers and Staff, 145-146
- Admission, 7, 10, 156
  - Application for, 10-11,
    - tear sheet inside back cover
  - Auditing classes, 13, 21, 22
  - Charges, 11, 20, 23-24
  - Requirements for, 7, 10
  - To School of Music, 68-69
  - To advanced courses, 126
  - With advanced standing, 69
- Adult Education, 13
- Advanced Standing, 69
- Advisor System, 12
- Alumni Association, 134-135, 157
- Alumni Foundation, 134-135
- Amount of Work Required, 33
  - Permitted, 127
- Annual, 23, 133
- Annual Gift Awards, 26-28
- Application for Admission form, 10-11,
  - on tear-sheet inside back cover
- Applied music fees, 22-23
- Art, 36-37, 87-88, 106
- Athletic activities, 133, 156, 157
- Attendance
  - Chapel, 57, 126
  - Class, 124
- Auditors, 13, 21, 22
- Band, 132
- Bible (See Religion p. 82)
- Biology, 38-40, 88-89, 106
- Board Expenses, 7, 21, 24
- Board of Trustees, 143-145
- Bookstore, 135
- Bootstrap, 14, 16
- Botany (see Biology, p. 38)
- Buildings, 138-139
- Business, 42-46, 89-90
- Business Education, 106-107
- Cafeteria, 11, 21
- Calendar, College, 7, 164
- Campus Activities, 130-135, 138
- Campus and Buildings, 138-139
- Certification, Teacher, 24, 46-47, 104-105
- Changes of Schedule, 123-124
- Chapel Committee, 156
- Chapel Attendance, 57, 126
- Charges and Fees, special (see Fees)
- Chemistry, 40-41, 90-91, 107
- Choir, 132-133
- Class Attendance, 124
- Class Loads, 34, 127
- Classification of Students, 126
- Commencement Exercises, 32, 156, 158-159
- Committees, 156-157
  - Administrative, 156
  - Faculty, 156
  - Joint, 156-157
- Concert Series, 135
- Core Curriculum, 33
- Correspondence Credit, 128
- Correspondence, Official—
  - inside front cover
- Counseling, 12
- Courses of Study, 7
  - (See Courses of Instruction)
  - Exceptions, 34
  - Recommended for Freshmen and Sophomores, 34
  - Required, 33
- Course Plans, Suggested, 87-120
  - Music, 70-74
- Courses
  - Adding, 123
  - Correspondence, 128
  - Dropping, 123-124, 164
  - Number Permitted, 127
  - Number Required, 33, 126
  - Numbering of, 35
- Courses of Instruction, 35-87
  - Art, 36-37, 87-88, 106
  - Biology, 38-40, 88-89, 106
  - Business, 42-46, 89-90, 106-107
  - Chemistry, 40-41, 90-91, 107
  - Drama, 85-87, 91-92
  - Economics, 42-46, 92-93
  - Education, 46-51, 104-113
  - Engineering Sciences, 78-81, 93-94, 113-114
  - English, 33, 34, 51-53, 94-95, 107
  - Foreign Languages, 33, 34, 53-56
  - French, 54-55, 95, 108
  - General Education, 32, 33, 57, 156
  - Geography, 57-58
  - Geology, 57-59, 95-96
  - German, 55, 108-109
  - Government, 62-65, 96-97
  - Health, 59-62
  - History, 62-64, 97-98
  - Latin, 55-56, 108, 112
  - Mathematics, 33, 34, 66-68, 98-99, 109
  - Music, 68-76, 109-111
  - Philosophy, 77, 99-100
  - Physical Education, 33, 59-62, 111
  - Physics and Engineering Sciences 78-81, 93-94, 100-101, 111
  - Psychology, 46-51, 101
  - Religion, 33, 82-83, 102-103
  - Religious Education, 82-83
  - Russian, 56
  - Sociology, 84-85
  - Spanish, 56, 103, 112
  - Speech, 33, 85-87, 103-104, 112-113
  - Speech Education, 85, 112-113
- Credits, 124-125



## INDEX (Continued)

- Curriculum, 30-120
  - Administration of, 122-128
  - Committee, 156
  - Core, 33
  - Courses (see Courses of Instruction)
- Degree Requirements, 7
  - General, 7, 32
  - Humanities, 118-119
  - Military Personnel, 14-15
  - Natural Science, 33, 119
  - School of Music, 70-74
  - Second Baccalaureate, 32
  - Social Science, 33, 120
- Degrees
  - Application for, 16, 32
  - Bachelor of Arts, 32
  - Bachelor of Music, 70-74
  - Bachelor of Science, 32
  - Conferred, 158-159
  - Honorary, 159
  - Offered, 7, 32
- Dentistry, pre-professional course, 117-118
- Departmental Major, 35
  - (See Courses of Instruction)
- Diploma Fee, 23
- Discipline, 157
- Divisional Major, 35, 93-94, 118-120
- Divisions, 118-120
  - Humanities, 118-119
  - Natural Science, 119
  - Social Science, 120
- Dormitories, 11, 21, 139
- Drama, 85-87, 91-92
- Dramatics, 133
- Dropping Courses, 123-124, 164
- Economics, 42-46, 92-93
- Education, 46-51, 104-113
- Elementary Education, 104-105
- Eligibilities, 127
  - For initiation, 127
  - For representing college, 127
- Employment, Student, 29
- Engineering Sciences, 78-81, 93-94, 113-114
- English, 33, 34, 51-53, 94-95, 107
- English Proficiency Requirements, 32-33
- Enrollment (See Admission)
  - Late, 21, 24
  - Statistics, 157-158
- Entrance Examinations, 10
- Entrance Requirements, 10
- Estimate of Expenses, 7, 24
- Evening Division, 13
- Examinations
  - College Entrance, 10
  - Final, 127
  - Graduate Record, 33
- Exceptions to course of study, 34
- Expenses, Estimate of, 7, 24
- Faculty, 147-156
  - Committees, 156
  - Full-Time, 147-151
  - Part-Time, 151-156
- Failure, Probation for, 125-126
- Fees, 21-24
  - Admission, 11, 23
  - Change of Course, 123
  - Deferred Payment of, 20
  - Matriculation, 20
  - Music, 22-23
  - Refunds, 20-21
  - Room deposit, 11, 23
  - Special, 23-24
- Fellowships, Graduate, 156
- Final Examinations, 127
- Financial Aids, 24-29
- Financial Information, 18-29
- Financial Regulations, 20-21, 32
- Financial Resources of the College, 140
- First and Second Year Programs, 126
- Forestry, 114-116
- Foreign Language Requirements, 33
- Foreign Languages, 33, 34, 53-56
  - French, 54-55, 95, 108
  - German, 55, 108-109
  - Latin, 55-56, 108, 109, 112
  - Russian, 56
  - Spanish, 56, 103, 112
- Fraternities, 132
- French, 54-55, 95, 108
- Freshman and Sophomore Programs, 126
- General Education, 32, 33, 57, 156
- General Education Development
  - test, 10, 14
- General Information, 7
- General Science, 108
- Geography, 57-58
- Geology, 57-59, 95-96
- German, 55, 108-109
- Gift Awards, 26-28
- Government, 62-65, 96-97
- Government. Student, 132
- Gown Fee, 23
- Grades, 124-125
  - Reports, 127
  - System, 125
- Graduate Record Examination, 33
- Graduate, Fellowships, 156
- Graduates, Recent, 158-159
- Graduation
  - Charges, 23
  - Requirements, 32-33
- Grants, Centenary College, 24
- Great Issues, 33, 57
- Health and Physical Education, 59-62
- Health Service, 12
- History and Government, 62-65, 97-98
- History of Centenary, 9
- Honor Court, 132
- Honor Societies, 133-134
- Honor System, 10, 132
- Honorary Degrees, 157, 159
- Honors, Academic, 128, 159
- Housing, 11, 21, 139
- Humanities Division, 118-119
- Infirmery, 12
- Information for Prospective
  - Students, 5-16

## INDEX

- Absences, 124
- Academic Honors, 128, 159
- Academic Load, 127
- Academic Suspension, 125-126
- Accident Insurance, 12-13
- Accounting, 13
- Accreditation, 8
- Activities, Student, 130-135
- Administration of Curriculum, 122-128
- Administrative Officers and Staff, 145-146
- Admission, 7, 10, 156
  - Application for, 10-11,
    - tear sheet inside back cover
  - Auditing classes, 13, 21, 22
  - Charges, 11, 20, 23-24
  - Requirements for, 7, 10
  - To School of Music, 68-69
  - To advanced courses, 126
  - With advanced standing, 69
- Adult Education, 13
- Advanced Standing, 69
- Advisor System, 12
- Alumni Association, 134-135, 157
- Alumni Foundation, 134-135
- Amount of Work Required, 33
  - Permitted, 127
- Annual, 23, 133
- Annual Gift Awards, 26-28
- Application for Admission form, 10-11,
  - on tear-sheet inside back cover
- Applied music fees, 22-23
- Art, 36-37, 87-88, 106
- Athletic activities, 133, 156, 157
- Attendance
  - Chapel, 57, 126
  - Class, 124
- Auditors, 13, 21, 22
- Band, 132
- Bible (See Religion p. 82)
- Biology, 38-40, 88-89, 106
- Board Expenses, 7, 21, 24
- Board of Trustees, 143-145
- Bookstore, 135
- Bootstrap, 14, 16
- Botany (see Biology, p. 38)
- Buildings, 138-139
- Business, 42-46, 89-90
- Business Education, 106-107
- Cafeteria, 11, 21
- Calendar, College, 7, 164
- Campus Activities, 130-135, 138
- Campus and Buildings, 138-139
- Certification, Teacher, 24, 46-47, 104-105
- Changes of Schedule, 123-124
- Chapel Committee, 156
- Chapel Attendance, 57, 126
- Charges and Fees, special (see Fees)
- Chemistry, 40-41, 90-91, 107
- Choir, 132-133
- Class Attendance, 124
- Class Loads, 34, 127
- Classification of Students, 126
- Commencement Exercises, 32, 156, 158-159
- Committees, 156-157
  - Administrative, 156
  - Faculty, 156
  - Joint, 156-157
- Concert Series, 135
- Core Curriculum, 33
- Correspondence Credit, 128
- Correspondence, Official—
  - inside front cover
- Counseling, 12
- Courses of Study, 7
  - (See Courses of Instruction)
  - Exceptions, 34
  - Recommended for Freshmen and Sophomores, 34
  - Required, 33
- Course Plans, Suggested, 87-120
  - Music, 70-74
- Courses
  - Adding, 123
  - Correspondence, 128
  - Dropping, 123-124, 164
  - Number Permitted, 127
  - Number Required, 33, 126
  - Numbering of, 35
- Courses of Instruction, 35-87
  - Art, 36-37, 87-88, 106
  - Biology, 38-40, 88-89, 106
  - Business, 42-46, 89-90, 106-107
  - Chemistry, 40-41, 90-91, 107
  - Drama, 85-87, 91-92
  - Economics, 42-46, 92-93
  - Education, 46-51, 104-113
  - Engineering Sciences, 78-81, 93-94, 113-114
  - English, 33, 34, 51-53, 94-95, 107
  - Foreign Languages, 33, 34, 53-56
  - French, 54-55, 95, 108
  - General Education, 32, 33, 57, 156
  - Geography, 57-58
  - Geology, 57-59, 95-96
  - German, 55, 108-109
  - Government, 62-65, 96-97
  - Health, 59-62
  - History, 62-64, 97-98
  - Latin, 55-56, 108, 112
  - Mathematics, 33, 34, 66-68, 98-99, 109
  - Music, 68-76, 109-111
  - Philosophy, 77, 99-100
  - Physical Education, 33, 59-62, 111
  - Physics and Engineering Sciences 78-81, 93-94, 100-101, 111
  - Psychology, 46-51, 101
  - Religion, 33, 82-83, 102-103
  - Religious Education, 82-83
  - Russian, 56
  - Sociology, 84-85
  - Spanish, 56, 103, 112
  - Speech, 33, 85-87, 103-104, 112-113
  - Speech Education, 85, 112-113
- Credits, 124-125

## INDEX (Continued)

- Curriculum, 30-120
  - Administration of, 122-128
  - Committee, 156
  - Core, 33
  - Courses (see Courses of Instruction)
- Degree Requirements, 7
  - General, 7, 32
  - Humanities, 118-119
  - Military Personnel, 14-15
  - Natural Science, 33, 119
  - School of Music, 70-74
  - Second Baccalaureate, 32
  - Social Science, 33, 120
- Degrees
  - Application for, 16, 32
  - Bachelor of Arts, 32
  - Bachelor of Music, 70-74
  - Bachelor of Science, 32
  - Conferred, 158-159
  - Honorary, 159
  - Offered, 7, 32
- Dentistry, pre-professional course, 117-118
- Departmental Major, 35
  - (See Courses of Instruction)
- Diploma Fee, 23
- Discipline, 157
- Divisional Major, 35, 93-94, 118-120
- Divisions, 118-120
  - Humanities, 118-119
  - Natural Science, 119
  - Social Science, 120
- Dormitories, 11, 21, 139
- Drama, 85-87, 91-92
- Dramatics, 133
- Dropping Courses, 123-124, 164
- Economics, 42-46, 92-93
- Education, 46-51, 104-113
- Elementary Education, 104-105
- Eligibilities, 127
  - For initiation, 127
  - For representing college, 127
- Employment, Student, 29
- Engineering Sciences, 78-81, 93-94, 113-114
- English, 33, 34, 51-53, 94-95, 107
- English Proficiency Requirements, 32-33
- Enrollment (See Admission)
  - Late, 21, 24
  - Statistics, 157-158
- Entrance Examinations, 10
- Entrance Requirements, 10
- Estimate of Expenses, 7, 24
- Evening Division, 13
- Examinations
  - College Entrance, 10
  - Final, 127
  - Graduate Record, 33
- Exceptions to course of study, 34
- Expenses, Estimate of, 7, 24
- Faculty, 147-156
  - Committees, 156
  - Full-Time, 147-151
  - Part-Time, 151-156
- Failure, Probation for, 125-126
- Fees, 21-24
  - Admission, 11, 23
  - Change of Course, 123
  - Deferred Payment of, 20
  - Matriculation, 20
  - Music, 22-23
  - Refunds, 20-21
  - Room deposit, 11, 23
  - Special, 23-24
- Fellowships, Graduate, 156
- Final Examinations, 127
- Financial Aids, 24-29
- Financial Information, 18-29
- Financial Regulations, 20-21, 32
- Financial Resources of the College, 140
- First and Second Year Programs, 126
- Forestry, 114-116
- Foreign Language Requirements, 33
- Foreign Languages, 33, 34, 53-56
  - French, 54-55, 95, 108
  - German, 55, 108-109
  - Latin, 55-56, 108, 109, 112
  - Russian, 56
  - Spanish, 56, 103, 112
- Fraternities, 132
- French, 54-55, 95, 108
- Freshman and Sophomore Programs, 126
- General Education, 32, 33, 57, 156
- General Education Development
  - test, 10, 14
- General Information, 7
- General Science, 108
- Geography, 57-58
- Geology, 57-59, 95-96
- German, 55, 108-109
- Gift Awards, 26-28
- Government, 62-65, 96-97
- Government. Student, 132
- Gown Fee, 23
- Grades, 124-125
  - Reports, 127
  - System, 125
- Graduate Record Examination, 33
- Graduate, Fellowships, 156
- Graduates, Recent, 158-159
- Graduation
  - Charges, 23
  - Requirements, 32-33
- Grants, Centenary College, 24
- Great Issues, 33, 57
- Health and Physical Education, 59-62
- Health Service, 12
- History and Government, 62-65, 97-98
- History of Centenary, 9
- Honor Court, 132
- Honor Societies, 133-134
- Honor System, 10, 132
- Honorary Degrees, 157, 159
- Honors, Academic, 128, 159
- Housing, 11, 21, 139
- Humanities Division, 118-119
- Infirmity, 12
- Information for Prospective
  - Students, 5-16



## INDEX (Continued)

- Initiations, 127
- Instrument Rental, 23
- Insurance, Student, 12-13
- Intercollegiate athletics, 133, 156
- Laboratory fees, 23
- Laboratory Hours, Method of Indication, 35
- Languages, Foreign, 33, 34, 53-56
- Late Enrollments, 21, 24
- Latin, 55-56, 108, 112
- Law, pre-professional course, 116
- Length of college course, 7
- Library, 139, 156
- Loans, 7, 24, 28-29
- Location, 8
- Lyceum, 57, 135, 157
- Major, 34-35 (See Courses of Instruction)
  - Departmental, 35
  - Divisional, 35
- Map of Campus, 137
- Mathematics, 33, 34, 66-68, 98-99, 109
- Medical Services, 12
- Medical Technology,
  - pre-professional courses, 116-117
- Medicine, pre-professional course, 117-118
- Membership and Accreditation, 8
- Military Personnel, Educational Program, 14-17
- Minimum Scholastic Requirements, 32, 125-126
- Music, School of, 68-76
  - Accreditation, 68
  - Admission, 68-69
  - Applied Music, 69-70
  - Courses of Study, 70-74, 109-111
  - Degree requirements, 32, 70-74
  - Fees and Charges, 22-23
  - Practice Requirements, 23
  - Private Instruction, 23
- Natural Science, 33, 34, 119
  - Division, 119
  - Major, 119
  - Required, 33, 34
- Night School (See Evening Division)
- Nurse, School, 12
- Officers, Administrative, 145-146
- Orientation, Freshmen, 12
- Organizations
  - Athletic, 133
  - Departmental, 133-134
  - Honor, 133-134
  - Religious, 132
  - Service, 133-134
  - Social, 132
- Philosophy, 77, 99-100
- Physical Education, 33, 34, 59-62, 111
- Physical and Financial Resources, 136-140
- Physics, 78-81, 100-101, 111
- Placement Tests, 34
- Pre-professional Curricula, 113-118
  - Dentistry, 117-118
  - Engineering, 113-114
  - Forestry, 114-116
  - Law, 116
  - Medical Technology, 116-117
  - Medicine 117-118
  - Private Instruction—Music, 23
  - Probation, Scholastic, 125-126
  - Proficiency Examination in English, 32-33
  - Psychology, 46-51, 101
  - Publications, Student, 133
  - Purpose of the College, 8
  - Quality Points, 32, 124-126
    - Minimum Average, 32, 126-127
  - Refunds, 20
  - Register, 141-159
  - Registration, 11 (See Admission)
    - Auditors, 13
    - Late, 21, 24
  - Regular Student, Definition, 126
  - Regulations
    - Attendance, 124-126
    - Dormitory, 11, 21
    - Financial, 20-21, 32
    - Scholastic, 125-127
  - Religion, 33, 57, 82-83, 102-103
  - Religious Emphasis Week, 57, 140
  - Religious Organizations, 132
  - Reports, grade, 127
  - Requirements
    - Admission, 7, 10, 156
    - Degree, 7, 14-15, 32, 33
    - Eligibility, 127
    - English proficiency, 32-33
    - Financial, 20, 32
    - Foreign Language, 33
    - General Education, 57
    - Graduation, 32-33
    - Initiation, 127
    - Residence, 7, 16-17, 32
    - Scholastic, 32, 125-129
  - Residence, 7, 16-17, 32
  - Room and Board, 21
  - Room Deposit, 11, 23
  - Russian, 56
  - Schedule, Changes of, 123-124
  - Scholarships, 24-26, 156
    - Endowed, 24-26
    - Ministerial, 24
  - Scholastic Requirements, 125-127
  - School of Music, 68-76
  - Science Fees, 23
  - Second Baccalaureate Degree, 32
  - Semester Hour Defined, 124
  - Social Organizations, 132
  - Social Science Divisional Major, 120
  - Social Science, Required, 33
  - Social Studies, 112
  - Sociology, 84-85
  - Sororities, 132
  - Spanish, 56, 103, 112
  - Special Charges or Fees, 23-24
  - Specialization, Fields of, 34-35
  - Special Services, 12-13
  - Speech, 33, 85-87, 103-104, 112-113
  - Staff, Administrative, 145-146
  - Statistics, Enrollment, 157-158

## INDEX (Continued)

- Student Accident Insurance, 12-13
- Student Employment, 29
- Student Government, 132
- Student Housing, 11, 21, 139
- Student Life, 130-135
- Student Organizations, 132-134, 157
- Student Publications, 133, 157
- Student Services, 12
  - Counseling, 12
  - Health, 12
  - Insurance, 12-13
- Student-Teaching (See Education)
  - Fee, 23
- Summer School, 7, 126, 127, 164
- Supervising Teachers, 154-156
- Suspension, Academic, 125-126
- Teacher Certification, 24, 104-105
- Teacher Education, 104-113
- Teacher Education Curricula, 105-113
- Teacher Placement Bureau, 24
- Testing and Counseling, 12
- Transcript
  - College, 11
  - Fee, 23
  - High School, 11
- Transfer Students, 7, 69
- Trustees, 143-145
- Tuition, 21-22
  - Auditors, 13
  - Payment of, 20
  - Plan, 20
  - Veterans, 14
- Typewriting charges, 23
- Veterans' Education, 10, 13-14
  - Tuition, 14
- Vocational Guidance, 12
- Willson Lectureship, 57, 140
- Withdrawals, 20, 123-124
- Work, Opportunity for, 29
- Zoology (See Biology)

# OFFICIAL COLLEGE CALENDAR

## SUMMER SESSION, 1964\*

June 8 .....	8:00 A. M. ....	Registration
June 9 .....	7:00 A. M. ....	Classwork begins
July 9 .....		Mid-semester
Aug. 11 - Aug. 12.....		Final examinations

## FALL SEMESTER, 1964-65

Sept. 11 & 12.....		Pre-registration Faculty Conference
Sept. 12 .....	1:00 p. m. ....	Dormitories open
Sept. 13 .....	2:00 p. m. ....	Freshman orientation begins
Sept. 14 .....	9:00-12:00 a. m., 1:00-4:00 p. m.....	Registration of seniors juniors and sophomores
Sept. 15 .....	1:00-4:00 p. m. ....	Registration of freshmen and transfers
Sept. 16 .....	7:50 a. m. ....	Classwork begins
Sept. 25 .....		Last day for enrolling or changing sections
Oct. 23 .....		Last day for dropping courses without a penalty
Nov. 14 .....	12:00 noon .....	Mid-semester reports due in Dean's office
Nov. 25 .....	5:00 p. m. — Nov. 30, 7:50 a. m. ....	Thanksgiving Holidays
Nov. 25 .....	6:00 p. m. to Nov. 29, 1:00 p. m....	Dormitories will be closed
Dec. 18 .....	5:00 p. m. to Jan. 4, 7:50 a. m.....	Christmas Holidays
Dec. 18 .....	6:00 p. m. to Jan. 3, 1 p. m.....	Dormitories will be closed
Jan. 5-7 .....		Pre-registration for spring semester
Jan. 18 - Jan. 22.....		Fall semester examinations
Jan. 22 .....	6:00 p. m. to Jan. 31, 1:00 p. m....	Dormitories will be closed

## SPRING SEMESTER, 1965

Feb. 1 .....	8:00-12:00 a. m., 1:00-4:00 p. m. ....	Registration
Feb. 2 .....	7:50 a. m. ....	Classwork begins
Feb. 12 .....	1-5 p.m. (or 7-11 p.m.) ..	GRE (required of all graduating seniors)
Feb. 12 .....		Last day for enrolling or changing sections
Mar. 5 .....		Last day for dropping courses without a penalty
April 3 .....	12:00 noon.....	Mid-semester reports due in Dean's office
April 6 .....		Founders' Day
April 14 .....	10:00 p. m. — April 20, 7:50 a. m.....	Easter recess
April 15 .....	10:00 a. m. — April 19, 1:00 p. m....	Dormitories will be closed
May 11-13 .....		Pre-registration for fall semester
May 24 .....	9:00 a.m.—May 28, 5:00 p.m. ..	Spring semester examinations
May 30 .....	9:00 a. m. ....	Baccalaureate
May 30 .....	8:00 p. m. ....	Commencement
May 31 .....	10:00 a. m. ....	Dormitories close

## SUMMER SESSION, 1965\*

June 7 .....	8:00 a. m. ....	Registration
June 8 .....	7:00 a. m. ....	Classwork begins
July 8 .....		Mid-semester
Aug. 10 - Aug. 11.....		Final examinations

\*The last day for dropping a course without a penalty is four days after the course begins.



STATISTICAL INFORMATION

Marital status: Single, Married, Separated, Divorced, No. of Children

If married give husband's name and occupation:

Number of sisters: older than self younger than self

Number of brothers: older than self younger than self

EDUCATIONAL INFORMATION

1. Name and address of high school attended (Name)

(City) (State) Date of graduation

a. If not a high school graduate, did you take the USAFI GED tests?

Each DORMITORY APPLICANT must request his high school principal to send to Centenary College his high school transcript with grades. For each LOCAL APPLICANT Centenary College will request the transcript from the principal.

2. What honors did you attain in high school and in what activities did you participate?

3. Have you ever attended or are you presently attending a college? (yes or no)

If so, please complete the following:

Names of colleges attended		Dates attended	
(a)			
(b)			
(c)			

Did you graduate? Major? Name of Fraternity

All applicants who have attended or are presently attending any college must have sent (at the applicant's request) to the ENROLLMENT COUNSELOR a complete, official transcript of all college credits. No action will be taken on this application until all college transcripts are received.

# Application for Admission

to  
**CENTENARY COLLEGE OF LOUISIANA**

Return Completed Application to:  
**ENROLLMENT COUNSELOR,  
CENTENARY COLLEGE OF LA.**  
Post Office Box 4188,  
Shreveport, Louisiana

This Space For  
Use of Dean of  
Admissions Only

Action \_\_\_\_\_

Advisor \_\_\_\_\_

Average \_\_\_\_\_

Recent  
head and  
shoulders  
picture of  
Applicant

Name \_\_\_\_\_ Check one: Male ☐  
(last) (first) (middle) Female ☐

Current Address \_\_\_\_\_  
(No. and Street) (City) (State) (Phone)

Permanent Address \_\_\_\_\_  
(No. and Street) (City) (State) (Phone)

1. Place and date of birth \_\_\_\_\_  
(City and State) (Month) (Day) (Year)

2. Nationality and descent \_\_\_\_\_

3. Father's Name \_\_\_\_\_  
(last) (first) (middle)

Father's Address \_\_\_\_\_  
(No. and Street) (City) (State)

Father's Occupation \_\_\_\_\_

4. Mother's Name \_\_\_\_\_  
(last) (first) (maiden)

Mother's Address \_\_\_\_\_  
(No. and Street) (City) (State)

Mother's Occupation \_\_\_\_\_

5. Guardian's Name \_\_\_\_\_  
(if applicable) (last) (first) (middle)

Guardian's Address \_\_\_\_\_  
(No. and Street) (City) (State)

Guardian's Occupation \_\_\_\_\_

6. Circle semester in which you wish to enter: Fall Spring Summer Year \_\_\_\_\_

Do you plan to graduate from Centenary? \_\_\_\_\_  
(yes or no) Summer only? \_\_\_\_\_

7. Circle classification which you will be upon entrance:  
Freshman Sophomore Junior Senior Special Student

8. State your religious preference (specify denomination) \_\_\_\_\_

9. State how you plan to finance your college education \_\_\_\_\_  
\_\_\_\_\_

10. Will you need part-time work to help finance your education? \_\_\_\_\_

If so, please state type preferred and experience \_\_\_\_\_

11. Do you plan to live in a dormitory on the campus? \_\_\_\_\_  
(yes or no)

(To reserve a room in one of the dormitories, a \$50.00 room deposit must be made to the ENROLLMENT COUNSELOR. This deposit will be refunded if the reservation is cancelled one month prior to the published date of registration. All students not residing in the home of bona fide relatives must live in the college dormitories, except as approved by the Dean of Students. All requests for space in any particular dormitory must be mailed directly to the ENROLLMENT COUNSELOR.)

12. List names of your relatives who have attended Centenary College:  
Name Relation

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. How did you become interested in Centenary? \_\_\_\_\_

14. Were you contacted personally by someone other than an Enrollment Counselor? \_\_\_\_\_

15. State name and address of your family physician: \_\_\_\_\_  
\_\_\_\_\_

16. Do you plan to enter Centenary's Evening Division and take no day classes at the time of your entrance? \_\_\_\_\_

17. Do you plan to use the Korean Bill or Public Law 346 (C. I. Bill of Rights)? \_\_\_\_\_  
(yes or no)

## STATISTICAL INFORMATION

Marital status: Single\_\_\_\_, Married\_\_\_\_, Separated\_\_\_\_, Divorced\_\_\_\_, No. of Children\_\_\_\_

If married give husband's name and occupation:

\_\_\_\_\_  
 \_\_\_\_\_

Number of sisters: older than self\_\_\_\_ younger than self\_\_\_\_

Number of brothers: older than self\_\_\_\_ younger than self\_\_\_\_

## EDUCATIONAL INFORMATION

1. Name and address of high school attended\_\_\_\_\_  
 \_\_\_\_\_ (Name)

\_\_\_\_\_  
 \_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ Date of graduation\_\_\_\_

a. If not a high school graduate, did you take the USAFI GED tests?\_\_\_\_\_

Each DORMITORY APPLICANT must request his high school principal to send to Centenary College his high school transcript with grades. For each LOCAL APPLICANT Centenary College will request the transcript from the principal.

2. What honors did you attain in high school and in what activities did you participate?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

3. Have you ever attended or are you presently attending a college?\_\_\_\_\_ (yes or no)

If so, please complete the following:

Names of colleges attended

Dates attended

(a)\_\_\_\_\_

(b)\_\_\_\_\_

(c)\_\_\_\_\_

Did you graduate?\_\_\_\_\_ Major?\_\_\_\_\_ Name of Fraternity\_\_\_\_\_

All applicants who have attended or are presently attending any college must have sent (at the applicant's request) to the ENROLLMENT COUNSELOR a complete, official transcript of all college credits. No action will be taken on this application until all college transcripts are received.

4. State your intended major field\_\_\_\_\_

5. Have you taken the College Entrance Examination Board?\_\_\_\_\_ (yes or no)

6. Have you taken the National Merit Tests?\_\_\_\_\_ (yes or no)

7. Have the results of the College Board or the National Merit Tests been mailed to the

College at your request?\_\_\_\_\_ (yes or no)

• • • •

As a student I recognize the right of the college to exclude at any time a student whose conduct or academic standing renders his or her presence in this institution undesirable.

Date\_\_\_\_\_

SIGNATURE OF APPLICANT \_\_\_\_\_

ALL APPLICANTS WILL BE NOTIFIED BY MAIL AS SOON AS POSSIBLE  
 AS TO THE ACTION OF THE DIRECTOR OF ADMISSION.

**\$10.00 Application Fee Must Accompany This Application**

Last Name

First Name

Middle Name



Last Name

First Name

Middle Name

4. State your intended major field\_\_\_\_\_
5. Have you taken the College Entrance Examination Board?\_\_\_\_\_ (yes or no)
6. Have you taken the National Merit Tests?\_\_\_\_\_ (yes or no)
7. Have the results of the College Board or the National Merit Tests been mailed to the  
College at your request?\_\_\_\_\_ (yes or no)

☀ ☀ ☀ ☀

As a student I recognize the right of the college to exclude at any time a student whose conduct or academic standing renders his or her presence in this institution undesirable.

Date\_\_\_\_\_

SIGNATURE OF APPLICANT \_\_\_\_\_

ALL APPLICANTS WILL BE NOTIFIED BY MAIL AS SOON AS POSSIBLE  
AS TO THE ACTION OF THE DIRECTOR OF ADMISSION.

**\$10.00 Application Fee Must Accompany This Application**

1964

1964	S	M	T	W	T	F	S
JAN	5	6	7	8	9	10	11
FEB	2	3	4	5	6	7	8
MAR	1	2	3	4	5	6	7
APR	5	6	7	8	9	10	11
MAY	3	4	5	6	7	8	9
JUN	7	8	9	10	11	12	13
JUL	5	6	7	8	9	10	11
AUG	2	3	4	5	6	7	8
SEP	6	7	8	9	10	11	12
OCT	4	5	6	7	8	9	10
NOV	1	2	3	4	5	6	7
DEC	5	6	7	8	9	10	11

1965

1965	S	M	T	W	T	F	S
JAN	3	4	5	6	7	8	9
FEB	1	2	3	4	5	6	7
MAR	28	1	2	3	4	5	6
APR	4	5	6	7	8	9	10
MAY	2	3	4	5	6	7	8
JUN	5	6	7	8	9	10	11
JUL	4	5	6	7	8	9	10
AUG	1	2	3	4	5	6	7
SEP	5	6	7	8	9	10	11
OCT	3	4	5	6	7	8	9
NOV	7	8	9	10	11	12	13
DEC	5	6	7	8	9	10	11

1966

1966	S	M	T	W	T	F	S
JAN	2	3	4	5	6	7	8
FEB	5	6	7	8	9	10	11
MAR	27	28	29	30	31	1	2
APR	3	4	5	6	7	8	9
MAY	1	2	3	4	5	6	7
JUN	5	6	7	8	9	10	11
JUL	3	4	5	6	7	8	9
AUG	1	2	3	4	5	6	7
SEP	4	5	6	7	8	9	10
OCT	2	3	4	5	6	7	8
NOV	6	7	8	9	10	11	12
DEC	4	5	6	7	8	9	10

CENTENARY COLLEGE OF LOUISIANA

2911 CENTENARY

SHREVEPORT 71104